

RCA

TV/DVD User's Guide

Changing Entertainment. Again.



GUIDE *plus*[™]
GOLD
GEMSTAR

Important Information

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates important instructions accompanying the product.



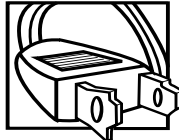
This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

CAUTION

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. No objects filled with liquids, such as vases, shall be placed on the apparatus.



Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Notes:

This DVD player is designed and manufactured to respond to the Region Management Information. If the Region number of a DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play the disc. The Region number for this DVD player is Region No 1.

This device is protected by U.S. patent numbers 4,631,603 and 4,577,216 and 4,819,098 and other intellectual property rights. The use of Macrovision's copy protection technology in the device must be authorized by Macrovision and is intended for home and other limited pay-per-view uses only, unless otherwise authorized in writing by Macrovision. Reverse engineering or disassembly is prohibited.

**CLASS 1
LASER
PRODUCT**

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. Returning the card allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. These numbers are located on the product.

Model No. _____ Serial No. _____ Purchase Date: _____

Dealer/Address/Phone: _____

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The GUIDE Plus+ Gold system is manufactured under license from Index Systems Inc.

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Key Features Overview

Your TV/DVD is equipped with some special features that will add to your viewing experience. The following information summarizes some of these features.



On-screen TV Program Guide

Description: The GUIDE Plus+ system is an on-screen interactive list of programs and information that is built into your TV/DVD and available when in TV mode. You can scroll through the guide to see what's on and tune directly to that program from the guide. You can also browse programs by category with the sort feature.

When you access the *News* feature, MSNBC will appear in your video window if it's available through your TV.

One-Touch VCR Recording is another benefit of the GUIDE Plus+ system. You don't have to remember to program your VCR or use the menus in your VCR to set up a recording.

Requirements:

- Complete the on-screen interactive setup. You'll find detailed instructions in Chapter 1.
- One-Touch VCR Recording: You must connect the G-LINK cable to the TV/DVD and place one of the wands in front of the remote sensor on the VCR.
- If you have a cable box, connect the G-LINK cable to the TV/DVD and place one of the wands in front of the remote sensor on the cable box.

V-CHIP TV RATING LIMIT						
Rating	Status	Content				
		D	L	S	V	FV
TV-14	View	V	V	V	V	
Press ^/v to view programs with this content for this rating.						
RATING	STATUS	D	L	S	V	FV
TV-MA	View		B	V	V	
TV-14	View	V	V	V	V	
TV-PG	View	V	B	V	V	
TV-G	View					
TV-Y7	View					V
TV-Y	View					

V-Chip: Parental Controls

Description: You can block programs and movies by content, age-based ratings, and/or movie ratings.

Requirements:

- Set up the *Parental Controls* menu in the TV's main menu (Chapter 3 has details).
- The broadcasters must use the rating system when they send the program to your TV in order for your TV to block the program.

MP3 Audio Disc Playback

Description: Your DVD player can play back compatible MP3 audio files recorded on CD-R discs.

Requirements:

- The discs must be recorded on compatible equipment (Chapter 2 has details).
- The DVD player must be on.

Introduction



The On-Screen DVD Information Display

Description: The Info Display is a menu bar that you can bring up to access certain features while discs are playing. Icons represent the different features supported by your TV/DVD when in DVD mode. By selecting different Info Display icons, you can access features including Repeat, Audio, Subtitles, Bookmarks and Camera Angle.

Requirements:

- Put your TV/DVD in DVD mode and insert a disc into the disc tray.
- Wait for the disc to play, then press INFO to view the Info Display menu.



The Bookmarks Feature

You can bookmark a point on a disc that you can go to quickly with the bookmark feature. You can store up to six bookmarks. For example, if you have a favorite scene in a movie, you can bookmark it so you can return to it without having to fast forward or reverse to find the exact scene.

Requirements:

- Put your TV/DVD in DVD mode and insert a disc into the disc tray.
- Press INFO to view the Info Display menu, then highlight the bookmark icon to use the feature.

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Connections & Setup

Chapter Overview:

- Things to Consider Before You Connect
- Choose Your Connection
- Connections
- Why You Should Connect This G-LINK Cable
- Plug in the TV/DVD
- Put Batteries in the Remote
- How to Use the Remote Control to Complete the Interactive Setup
- Turn on the TV
- Complete the Interactive Setup
- Set the DVD Menu Language
- The Remote Control

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Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off the TV/DVD and/or component before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safeguards sheet packed with your TV/DVD.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV/DVD, route all cables down the side of the back of the TV/DVD instead of straight down the middle of the back of the TV/DVD.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables. Also, keep the twin lead cables away from audio/video cables.

Important Stand and Base Safety Information

Choose the location for your TV/DVD carefully. Place the TV/DVD on a stand or base that is of adequate size and strength to prevent the TV/DVD from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV/DVD. Refer to the Important Safeguards sheet packed with your TV/DVD.

Use Indirect Light

Don't place the TV/DVD where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.

Connection Pictures





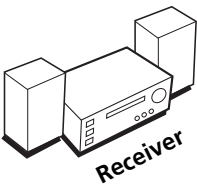
Audio/video cables are usually bundled together. For better visibility, the connection pictures in this book show each cable separately (audio left, audio right, and video).

Types of Discs Your TV/DVD will Play

- DVD discs - DVD discs contain high quality picture and sound content.
- Audio discs - Audio CDs contain musical or sound content only.
- Video CD discs – Like DVD video discs, Video CDs contain picture and sound content. The difference is the amount of information that can be stored on the disc.
- MP3 discs – A disc that contains audio files (for example, a CD-R with downloaded MP3 files).

Choose Your Connection

There are several ways to connect your TV/DVD. Please use the following chart to determine which connection is best for you. Proceed to the appropriate page and connect your TV/DVD.

Components	Connection Title	Cables Needed	Go to...
 TV/DVD	TV/DVD Only	<ul style="list-style-type: none"> • Coaxial 	page 10
  TV/DVD VCR	TV/DVD + VCR	<ul style="list-style-type: none"> • Coaxial • Audio/video • G-Link 	page 11
  TV/DVD Receiver	TV/DVD + Receiver	<ul style="list-style-type: none"> • Coaxial • Audio/video • Optical • G-Link 	pages 12-13

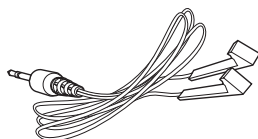
Cables Needed to Connect Components to Your TV/DVD

The pictures below show the cables needed for the connections represented in this book.

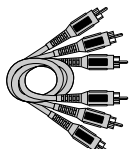
Notes: Audio/Video cables (A/V cables for short) are usually sold as a bundled set, but the connection pictures in this book show each cable separately for better visibility.

Please locate the G-LINK cable (provided) when you're getting ready to set up your TV/DVD. You need to connect this cable to your TV/DVD, and to your VCR and/or cable box in order for all of the features of the program guide to work properly.

This TV/DVD's optical digital output jack fully complies with the international standard governing this type of jack (IEC958), and is designed for connection to a Dolby Digital (AC-3® or PCM) receiver or Dolby Digital (AC-3 or PCM) decoder. Older equipment, some of which is not fully compliant with IEC958, may not be compatible with the Dolby Digital bitstream. Such a connection using anything other than Dolby Digital AC-3 or PCM receiver or decoder could create a high noise level, causing damage to headphones or speakers.



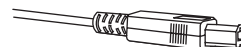
G-LINK cable



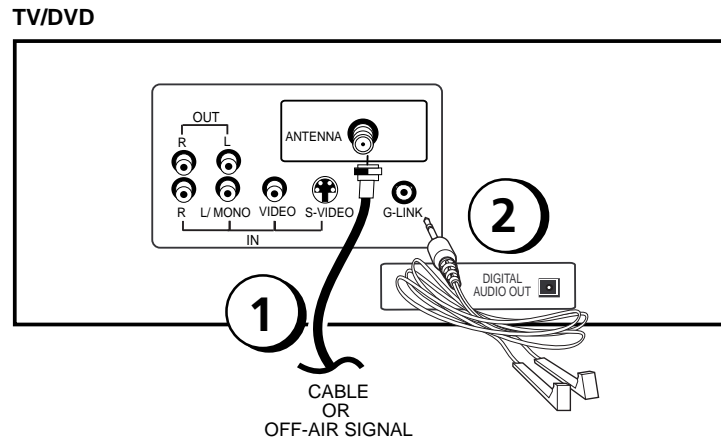
Audio/Video cables



Coaxial cable



Optical cable



TV/DVD Only

1. Connect the TV/DVD to your cable or antenna

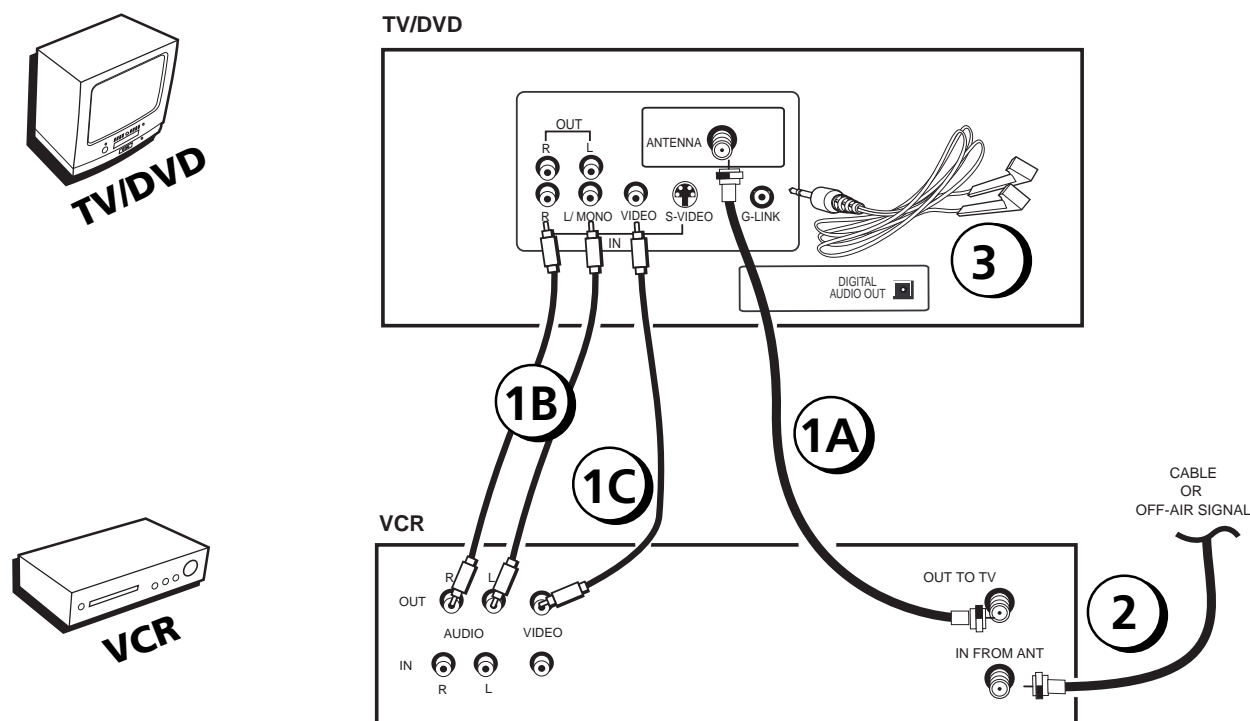
Connect the coaxial cable from your cable or antenna to the ANTENNA jack on the back of your TV/DVD.

Go to page 15

2. If you're connecting a cable box, connect the G-LINK cable

Connect the G-LINK cable to the G-LINK jack on the TV/DVD. Next step, place the wands of the G-LINK cable to the cable box (instructions are on page 14).

Go to page 14



TV/DVD + VCR

1. Connect your TV/DVD to your VCR

- Connect a coaxial cable to the ANTENNA jack on your TV/DVD and to the Output Jack on your VCR (sometimes labeled OUT TO TV).
- Connect the audio/video cables. Connect audio cables (white and red) to the AUDIO IN jacks on the back of the TV/DVD (R and L/MONO) and to the Audio Output Jacks on the VCR (sometimes labeled OUT R L).
- Connect the video cable (yellow) to the VIDEO IN jack on the back of the TV/DVD and to the Video Output Jack on the VCR.

2. Connect cable or antenna to your VCR

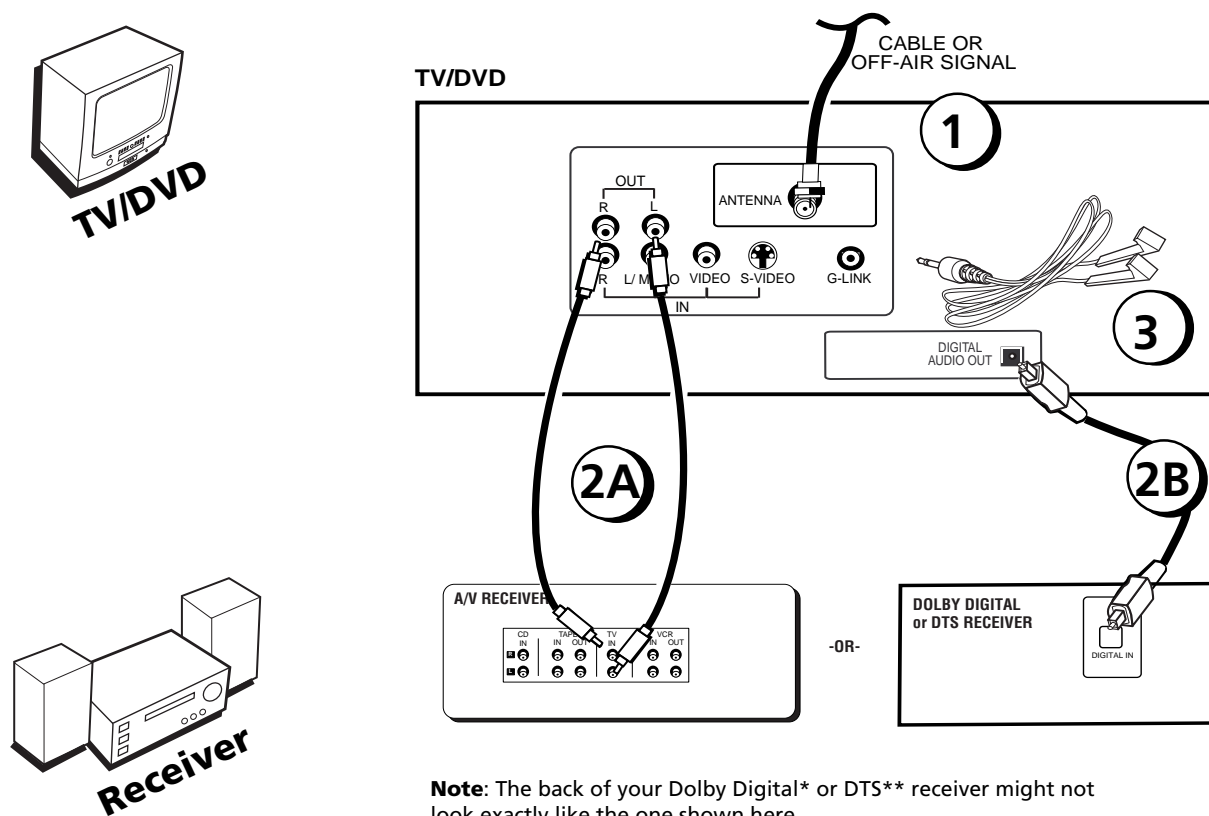
Connect the coaxial cable from your cable outlet, cable box, or antenna to the Input Jack on your VCR (sometimes labeled IN FROM ANTENNA or IN FROM ANT).

3. Connect the G-LINK cable to the TV/DVD

Connect the G-LINK cable to the G-LINK jack on the TV/DVD. Next step, place one of the wands of the G-LINK cable to work with your VCR (instructions are on page 14).

Go to page 14

Connections & Setup



Dolby Digital® and DTS®

Both Dolby Digital and DTS are audio formats used to record 5.1-channel audio signals onto the digital track of film (while the film is being made). Both of these formats provide up to six separate channels: left, right, center, left rear, right rear, and common subwoofer.

The disc will play 5.1-channel sound only if you've connected a DTS or Dolby Digital receiver or decoder and if the original movie the disc was recorded from was encoded in the Dolby Digital or DTS format.

Please Read This Before Using the DIGITAL AUDIO OUT Jack!

This unit's digital output jack is designed for a connection to a Dolby Digital or DTS receiver or decoder.

Older digital equipment may not be compatible with the Dolby Digital bitstream. Such a connection can create a high level of noise that may be harmful to your ears, and could damage headphones or speakers.

It is important to choose the correct Digital Output setting in the DVD Player's Sound menu, especially when you use the DIGITAL AUDIO OUT jack. For more information, see Chapter 4.

*Dolby Digital is a trademark of Dolby Laboratories Licensing Corporation

**DTS is a registered trademark of Digital Home Theater Systems, Inc.

TV/DVD + Receiver

1. Connect the TV/DVD to your cable or antenna

Connect the coaxial cable from your cable or antenna to the ANTENNA jack on the back of your TV/DVD.

2A. Connect the A/V receiver to your TV/DVD

Connect the audio/video cables. Connect audio cables (white and red) to the AUDIO OUT jacks on the back of the TV/DVD (R and L) and to the Audio Input Jacks on the receiver (sometimes labeled AUDIO IN L R).

or

2B. Connect Dolby Digital or the DTS Receiver to your TV/DVD

If you have a Dolby Digital or DTS receiver with a Digital Input jack, connect an optical cable (not provided) to the DIGITAL AUDIO OUT jack on the TV/DVD and to the Digital Input jack on the back of the receiver. You must also set the Digital Output setting in the Sound menu (Chapter 4 has details).

3. If you're connecting a cable box, connect the G-LINK cable

Connect the G-LINK cable to the G-LINK jack on the TV/DVD. Next step, place the wands of the G-LINK cable to the cable box (instructions are on page 14).

Go to page 14

Why You Should Connect This G-LINK Cable

The G-LINK cable enables the GUIDE Plus+ system (the on-screen interactive program guide) to work with your VCR and/or cable box.

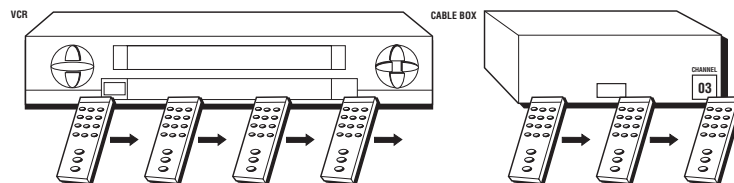
Cable Box – If your TV/DVD is connected to a cable box you must connect the G-LINK cable to receive TV program listings for your area, and to tune directly to a channel when the program guide is on your TV screen.

VCR – If your TV/DVD is connected to a VCR and you don't connect the G-LINK cable, one-touch VCR recording won't work. The other features of the guide will work properly.

How to Find the Remote Sensor

You have to place the G-LINK wands in front of the remote sensor on the VCR and/or cable box. Some cable boxes and VCRs have the remote sensor labeled on the unit. If the remote sensor isn't labeled on your VCR and/or cable box, you need to use the remote control that came with the VCR and/or cable box to locate the sensor.

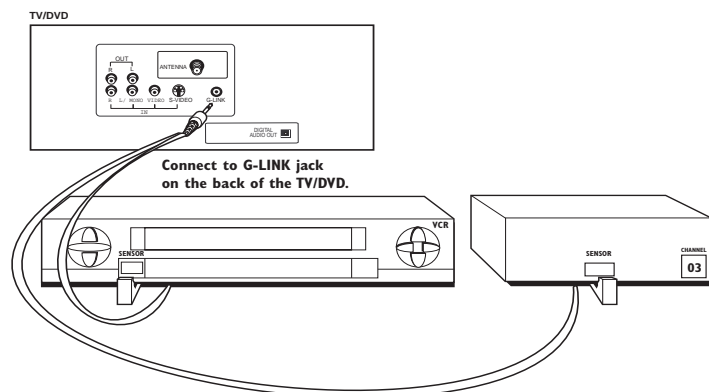
1. Turn off the VCR and/or cable box.
2. Hold the remote control (**not** the one that came with your TV/DVD, but the one that came with the cable box and/or VCR to which you're attaching the G-LINK cable) so that it is touching the front of the component.
3. Slowly move the remote control across the front of the component (VCR or cable box) while you press the power button on and off. You must press and release the power button each time you move the remote (holding down the button won't work).



4. When the component turns on, you've located the remote sensor.

Placing the G-LINK Wands

Place the G-LINK wands in front of the remote sensor on your VCR and/or cable box approximately one inch away from the remote sensor (see instructions below).

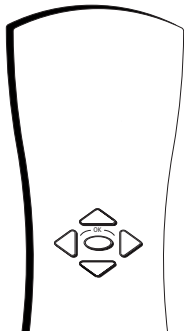
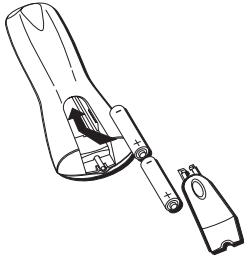


Tip

If you don't have both a cable box and a VCR connected to your TV/DVD, just coil the cable of the extra G-LINK wand with a twist tie and leave it behind the unit.

Plug in the TV/DVD

Plug the end of the power cord into the wall outlet. Match the wide blade of the plug with the wide slot in the outlet. Insert the plug completely into the outlet.



Use the arrow buttons and the OK button to move through the menu system.

Put Batteries in the Remote

1. Remove the battery compartment cover on the remote.
2. Insert new batteries. Match the polarities (+ and -) on the batteries with the diagram on the remote.
3. Put the battery compartment cover back on the remote.

How to Use the Remote Control to Complete the Interactive Setup

The technical term is “Navigation” – how you move through the on-screen menus. The theory is the same throughout the menu screens: highlight your choice and select it.

To highlight a menu item, press the arrow buttons on the remote to highlight one of the items listed on the screen. Use the up or down arrow button to move up or down. Use the right or left arrow button to move right or left.

To select the item that you’ve highlighted, press OK.

Note: Highlighted means that the menu item stands out from other menu items on the list (appears darker, brighter, or a different color).

Turn on the TV

Press the TV button on the remote control or the POWER button on the TV/DVD’s front panel (the first screen of the Interactive Setup appears). The menu screens “time out” after a period of time if you don’t make a selection. The tips in this section tell you how to access the Setup menu screens manually.

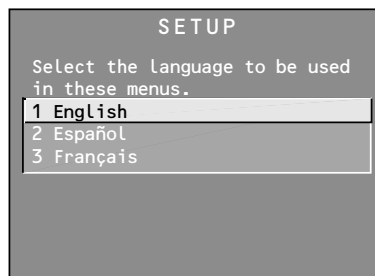
Note: Pressing the TV button not only turns on the TV, but puts the remote into TV mode. “TV mode” means that the buttons on the remote control operate the TV’s functions.

Complete the Interactive Setup

Tip

To access the setup menus manually, press **MENU** and choose **Setup**.

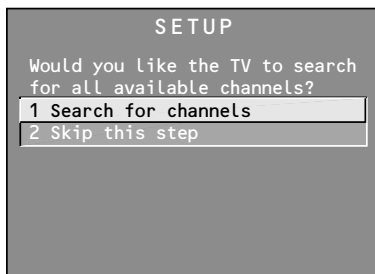
The menu system in your TV allows the TV's features to work properly. In this book, we call it the “interactive setup” because the TV asks you questions, you answer, and the TV makes the appropriate adjustments. The first time your TV/DVD is in TV mode, the setup screens appear automatically.



Set the Menu Language

The first part of the *SETUP* asks you to select your preferred language for the menu system.

1. Highlight your preferred language for the menu system.
2. Press OK to select that language.



Complete Auto Channel Search

The next part of the *SETUP* asks you if you want the TV to search for all channels viewable through your antenna or cable TV system. This is sometimes called “auto programming.”

1. Press OK to tell the TV to begin searching for channels. A progress report appears on the screen.
2. When the screen on the TV tells you the search is complete, press OK (the first GUIDE Plus+ system setup screen appears).

Note: If you skip Auto Channel Search now, you can access it later through the Channel menu. See *Chapter 5* for more details.

Tip

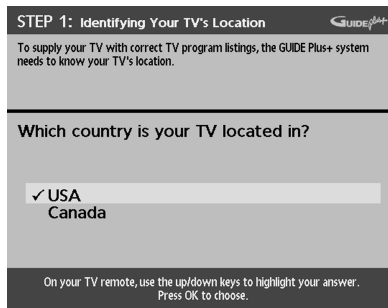
If you move to a new zip or postal code, or if any of your information changes, you need to access the setup screens from the TV's main menu—press **MENU**, choose **GUIDE Plus+ Menu**, and choose **GUIDE Plus+ Setup**.

The GUIDE Plus+ System Setup

The GUIDE Plus+ system is an on-screen interactive program guide that lists what shows are on TV in your area. In order to receive program listings, you need to complete the following steps.

The G-LINK cable must be connected to the back of your TV/DVD, and the wands must be placed in front of the remote sensor of the cable box and/or VCR in order for the GUIDE Plus+ system to work (go back to page 14 for details).

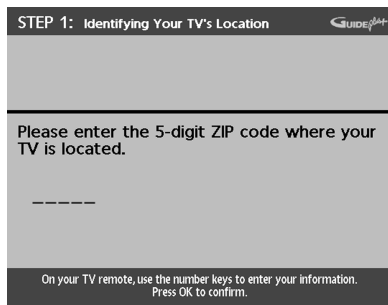
1. You should see a screen displaying the features of the Guide Plus+ system. Press OK to continue.
2. The next screen asks you to locate setup materials and hardware. Once you have done this, press OK to continue.



Step 1: Identifying Your TV's Location

1. If your country is highlighted, press OK on the remote control.

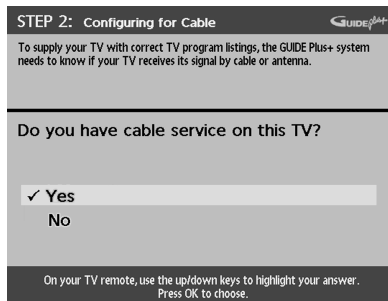
If your country isn't highlighted, press the up or down arrow button on the remote control to highlight your country and press OK.



2. Use the number buttons on your remote to enter your zip code.

Press OK when you're finished.

Note: If your postal code contains letters, press the up and down arrow buttons on your remote to enter letters, and press the right arrow button to go to the next space. The left arrow button moves you to the left.

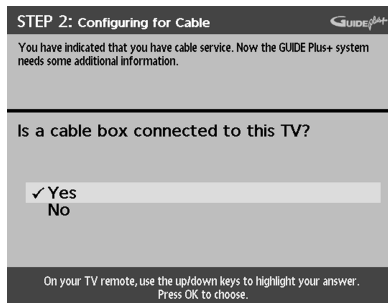


Step 2: Configuring for Cable

The next series of screens asks you about your cable setup. To supply your TV with the correct TV program listings, the GUIDE Plus+ system needs to know if your TV/DVD is connected to cable.

1. If your TV/DVD is connected to cable, highlight *Yes* and press OK.

If your TV/DVD isn't connected to cable, highlight *No* and press OK (*STEP 3: Configuring for a VCR* appears).



2. If you have a cable box connected to this TV/DVD, highlight *Yes* and press OK on your remote control.

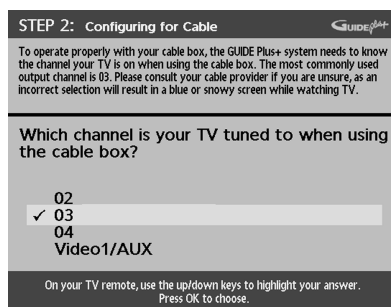
Note: The next series of screens is very important because the GUIDE Plus+ system must find the correct cable box information in order to receive the correct TV program listings.

If you don't have a cable box connected to this TV/DVD, highlight *No* and press OK (*STEP 3: Configuring for a VCR* appears).

Tip

If you're not sure which channel is the cable box's output channel, consult the book that came with your cable box or contact your cable company.

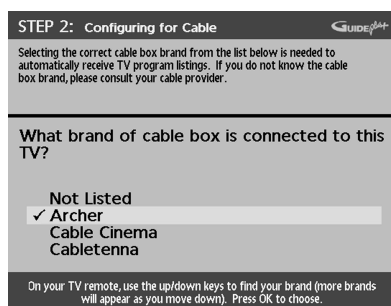
Connections & Setup



3. Highlight the channel to which you have to tune your TV in order to see cable programming, and press OK (a screen appears reminding you to connect your G-LINK cable to your TV/DVD and cable box).

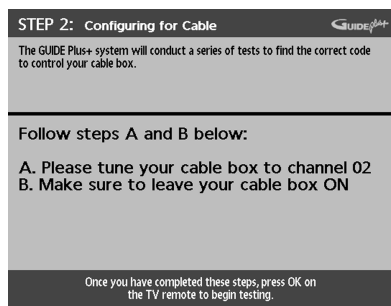
Notes: Channel 03 is the most common.

Choose Video1/AUX if your cable box is connected to your TV/DVD with audio/video cables instead of a coaxial cable. Go to page 9 for pictures of these cables.



4. Highlight your brand of cable box, and press OK.

If your brand isn't listed, highlight *Not Listed* and press OK.

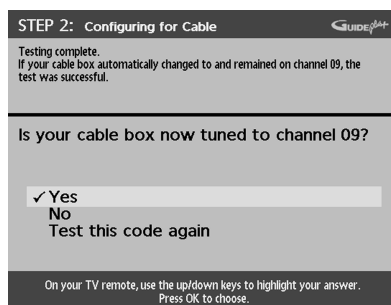


5. Make sure your cable box is on.

Tune the cable box to channel 02 (use the remote control that came with your cable box, or press the channel buttons on the cable box).

Press OK (the GUIDE Plus+ system starts testing codes).

Important Note: When code testing is in progress, don't touch your TV/DVD, VCR, cable box or any of the remote controls for these products.



6. Look at your cable box. If it is still on and changed to channel 09, the test was successful. Highlight *Yes*, and press OK (*STEP 3: Configuring for a VCR appears*).

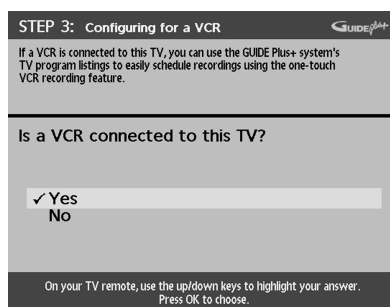
If your cable box didn't change to channel 09 or turned itself off, you have two choices: *No* and *Test this code again*.

Test this code again: If you think the TV/DVD, the cable box, or any of the remote controls might have been touched or bumped during the test, highlight *Test this code again* and press OK (the GUIDE Plus+ system runs the same set of codes).

No: If you don't think the test was interrupted, highlight *No* and press OK (GUIDE Plus+ system tests the next code).

Repeat the previous instructions until the TV finds the correct cable box code. Follow the instructions on the screen.

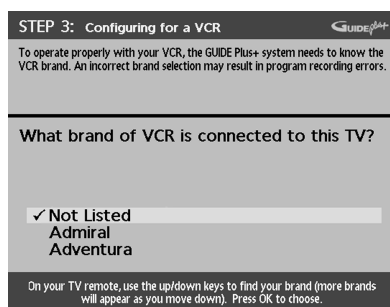
Note: If the TV can't find your cable box code, a troubleshooting checklist appears. Carefully review each checklist and follow the instructions on the screen.



Step 3: Configuring for a VCR

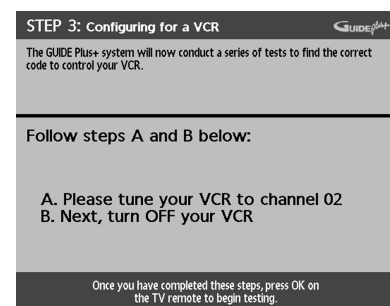
1. If your TV/DVD is connected to a VCR, press OK.

If it is not, highlight *No* and press OK (a screen will appear reminding you to connect your G-LINK cable to your TV/DVD and VCR.).



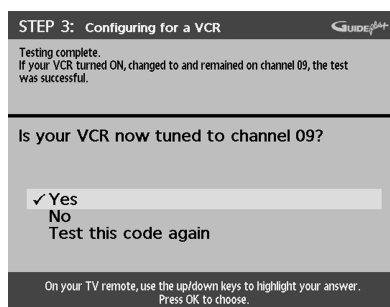
2. Use the up and down arrow buttons to highlight the brand of your VCR that is connected to the TV/DVD and press OK.

If your brand isn't listed, highlight *Not Listed* and press OK.



3. Tune your VCR to channel 02. Next, turn OFF your VCR. When you complete these steps, press OK to begin testing.

Important Note: When code testing is in progress, don't touch your TV/DVD, VCR, or any of the remote controls for these products.



4. Look at the front display of your VCR. If your VCR turned on automatically and changed to channel 09, the test was successful. Highlight *Yes* and press OK.

If your VCR didn't change to channel 09, you can either choose *No* or *Test this code again*.

If you think your TV/DVD or remotes might have been touched during the test, tune your VCR to channel 02, turn off your VCR and highlight *Test this code again*.

If you don't think the test was interrupted, highlight *No*. Tune your VCR to channel 02 and turn off your VCR. Press OK (the GUIDE Plus+ system starts testing another set of codes.)

Keep following the previous instructions until the VCR finds the correct code.

Connections & Setup

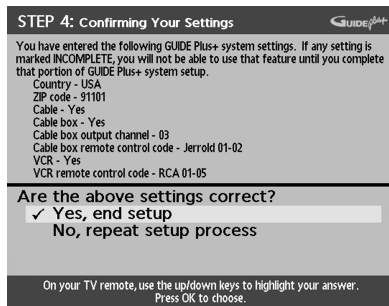
Tip

Leave your cable box turned ON to download program information.

Leave your VCR turned OFF to record programs.

Note: If the GUIDE Plus+ system can't locate the correct code for the VCR, a list of troubleshooting instructions appears to help you before you try again.

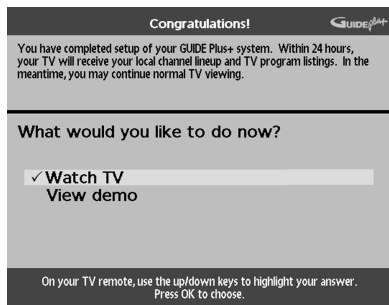
- Try VCR configuration again: repeat VCR setup.
- Test alternate codes: tests selected brands and if this fails, the test continues with all codes in the system.
- Skip this step: the GUIDE Plus+ system won't be able to automatically schedule programs to record on your VCR.



Step 4: Confirming Your Settings

1. Check to make sure all settings are complete and correct. If all settings are complete, highlight *Yes, end setup* and press OK. If your cable box and/or VCR code testing failed, you should see *INCOMPLETE* where the cable box and VCR codes are listed. Once setup is complete, additional screens appear.

If any settings are incomplete or incorrect, highlight *No, repeat setup process* and press OK. Follow the instructions on the screen.



2. You can choose to view a demo of the GUIDE Plus+ features, which may take a few minutes to load. If you don't want to see the demo right now, press OK to watch TV.

What to Expect

The next time you are in TV mode, the GUIDE Plus+ system will appear on the screen. The following examples explain what you might see:

- If all of the program information has been sent to your TV, the GUIDE Plus+ system appears with all of your TV program listings.
- If the program information hasn't been sent to your TV yet, an outline of the GUIDE (without TV program listings) will appear on the screen. Program information is usually sent to your TV at night.
- If the TV detected that you have multiple cable companies in your area, *STEP 5: Choosing Your Channel Lineup* appears.

Features of the GUIDE Plus+ system are explained in Chapter 3.

To clear the guide from your screen, press CLEAR or GUIDE on the remote control.



This is the Automatic Language Selection Screen. English is the default language, and automatically appears highlighted when the screen comes up.

Set the DVD Menu Language

The first time you are in DVD mode, the Automatic Language Selection Screen appears.

By default, the DVD's on-screen displays are shown in English. If you want the on-screen menus to appear in English, press OK on the remote.

To change the language:

1. Press the down arrow button on the remote until the appropriate language is highlighted.
2. Press OK on the remote.

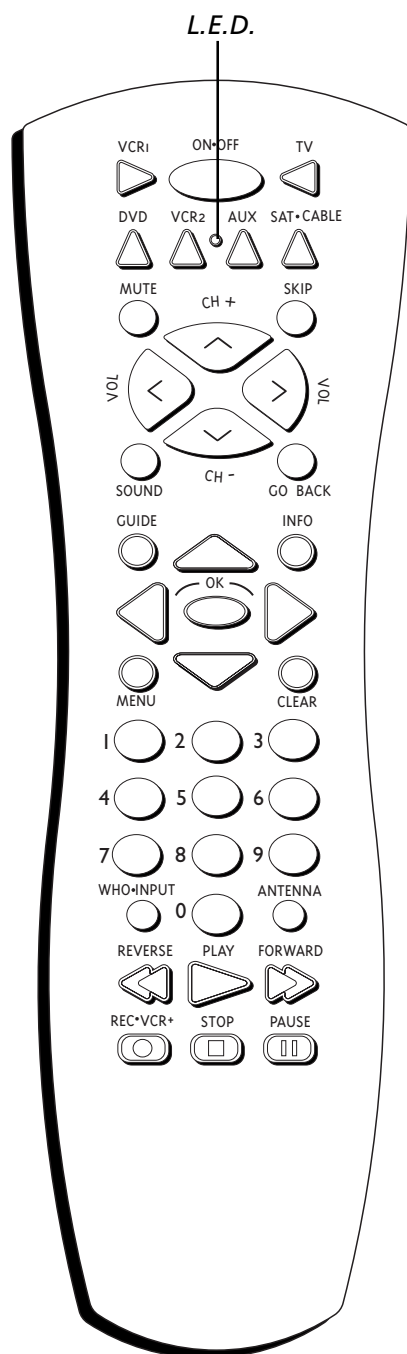
This screen sets all language preferences for on-screen displays to the same language. You can use the DVD's menu system to set individual language preferences (see Chapter 4).

Setting Other Options

The DVD's menu system contains many options which can enhance your disc viewing and listening experience. These options include:

- ratings limits
- language preferences
- audio preferences
- display options

For more information on menu options, see Chapter 4.



The Buttons on the Remote Control

0-9 (Number buttons) Enter channel numbers and time settings directly through the remote control.

To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the first digit for two seconds until two dashes appear to the right of the number, then add the second two. Example: to tune to channel 123, press and hold 1 for two seconds, press 2, then press 3.

Arrow buttons (up, down, left, right) Press the arrow buttons to move through the on-screen menu system.

ANTENNA Functions as TV/VCR button in VCR mode and TV/receiver button in SAT•CABLE mode.

AUX (auxiliary) Puts the remote in auxiliary mode to operate the component you've programmed the remote to operate with this button. You can program this button to control a cable box, most RCA, GE and Proscan audio components, a laserdisc player, or a VCR. If you set up the Auto Tuning feature (Chapter 3), pressing the AUX button automatically tunes the TV/DVD to the correct channel.

CH (up and down) buttons In TV mode, scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels. In DVD mode, highlights the *Chapter* Info Display icon.

CLEAR Removes any menu or display from the screen.

DVD Puts the remote in DVD mode.

FORWARD In DVD mode, advances the disc forward.

GO BACK In TV mode, returns you to the previous channel. In DVD mode, returns you to previous screen.

GUIDE In TV mode, press GUIDE to make the GUIDE Plus+ system appear on the screen: press GUIDE again to remove it from the screen.

INFO In TV mode, displays channel information. In DVD mode, brings up the Info Display screen.

L.E.D. (light-emitting diode) The little light on the remote that lights when you are programming the remote. It also lights when you press a valid button on the remote.

MENU In TV mode, displays the TV's Main menu. You can also press and hold for 2 seconds to display the GUIDE Plus+ system. In DVD mode, makes the DVD's menu system appear when a disc is not playing. If you press MENU while playing a DVD or Video disc, the disc's menu system will appear.

MUTE Lowers the volume to its minimum level. Press again to restore volume.

OK When a menu is on the screen, press OK to select the item that is highlighted.

Tip

To turn off all the RCA, GE, and Proscan components that are connected to the TV/DVD, press ON•OFF twice within two seconds.

This feature only works with most RCA, GE and Proscan products.

ON•OFF Turns the TV/DVD on and off.

PAUSE In DVD mode, press PAUSE when the disc is playing to pause playback.

PLAY In DVD mode, plays the disc.

REC•VCR+ In TV mode, when the GUIDE Plus+ program guide is on the screen, press REC•VCR+ to program your VCR to record a program.

REVERSE In DVD mode, press REVERSE to go backwards on a disc.

SAT•CABLE In TV mode, puts the remote in SAT•CABLE mode.

SKIP In TV mode, if you press this button before you change the channel, the TV waits 30 seconds and automatically goes back to the original channel. Each time you press SKIP, you add 30 seconds (i.e, if you press SKIP two times before you change the channel, the TV waits 60 seconds and automatically turns back to the original channel).

SOUND In TV mode, displays the *AUDIO PROCESSOR* menu.

STOP In DVD mode, stops playing the disc.

TV Turns on the TV and puts the remote in TV mode. Also displays channel information.

VCR1 Puts the remote in VCR mode.

VCR2 Puts the remote in VCR mode.

VOL (up and down) buttons Decrease or increase the TV/DVD's volume.

WHO•INPUT In TV mode, press WHO•INPUT to toggle through the available Video Input channels (VID/FRNT and the current channel). In SAT mode, press to select available channel lists.

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Playing DVDs

Chapter Overview:

- Regional Coding
- Using Different Menus
- Loading and Playing Discs
- Using a Disc Menu
- Using the On-Screen Info Display
- Disc Playback Features



Changing Entertainment. Again.



Regional Coding

Both the TV/DVD unit and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes don't match, the disc won't play. This unit's code is region 1.

Using Different Menus

Each disc is programmed with different features. There are three separate menu paths that you can use to access features:

- **The Disc menu** – The disc menu is part of each disc and is separate from the DVD's menu system. The contents of each disc menu vary according to how the disc was authored and what features are included. The disc menu is turned on and off (while the disc is playing) with the MENU button on the remote.
- **The DVD's Info Display** – The Info Display appears as icons across the top of the screen when a disc is playing. It can only be accessed while you are playing a disc. It's turned on and off with the INFO button on the remote.
- **The DVD's menu system** – The DVD's menu system is accessed only when a disc isn't playing. It appears automatically when the STOP button is pressed.

Remember that a feature will only work if the disc was programmed with that feature. For example, if you choose subtitles on the Info Display, the subtitles will only appear if the disc was created with subtitles. If a menu item is "grayed out" it means that item isn't available.

Loading and Playing Discs

Your TV/DVD unit plays DVD discs, Video CD discs, Audio CD discs, MP3 discs and CD-R discs. Before you load a disc, make sure that it is compatible with the player. The following discs CANNOT be used with this player:

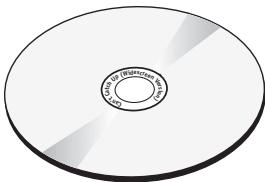
- Laserdiscs
- CD-I, CD-ROM (computer-only discs), CD-RW, DVD-ROM
- Discs recorded using other broadcast standards (i.e. PAL or SECAM)

To Load and Play a Disc

To put the TV/DVD in DVD mode and play a disc, press the DVD button on the remote control.



This is an example of a one-sided disc.



This is an example of a 2-sided disc. The title is in the center.

1. Press the OPEN•CLOSE button on the front of the TV/DVD. The disc tray opens.
2. Place a disc gently into the tray with the disc's label facing up (double-sided discs have content on both sides, so you can place either side up).
3. Press the OPEN•CLOSE or PLAY button. The disc tray closes.

The TV/DVD reads the disc's table of contents, and then one of three things happens depending on how the disc was programmed:

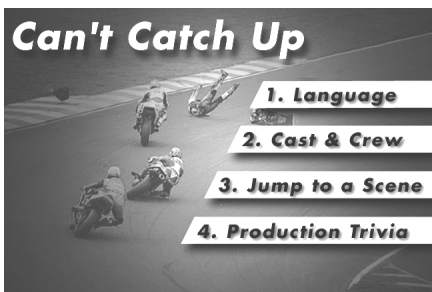
- The disc starts playing.
- The disc menu appears on the screen. One of the options will start disc play. Highlight that option and press OK on the remote.
- The DVD's main menu appears on the screen. Highlight the *Play* option and press OK on the remote.

When you stop playing a disc, the unit remembers where you stopped. When you start playing the disc again, the unit picks up where you left off unless the disc is removed, the unit is unplugged, or you pressed the STOP button twice.

Using a Disc Menu

A disc is capable of having an on-screen menu that is separate from the DVD's menu system and on-screen Info Display. The disc menu might only contain a list of the titles and chapters, or it may allow you to change features such as language and playback settings.

Although the content and operation of disc menus vary from disc to disc, the following example will give you an idea of what to expect.



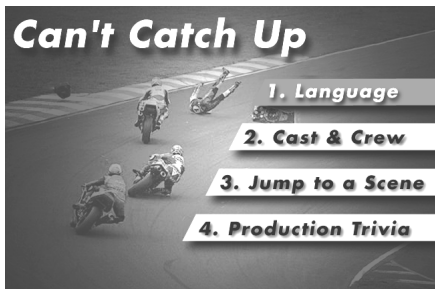
An example of a disc menu. The menus on discs vary because the disc menu is created by the disc's author.

1. While the disc is playing, press the MENU button on the remote. The disc menu appears.

Tip

Many discs skip the disc menu and start playing automatically. To access the disc menu when you're playing a disc, press MENU on the remote.

Playing DVDs



In this example, The *Language* setting is highlighted. To select this option, press OK on the remote.

2. Press the up/down arrow buttons to highlight the section of the disc menu you want to choose, and press OK on the remote. In the example on the left, *Language* has been selected.



In the example on the left, English is highlighted. Press OK on the remote to play the disc with English dialog.

3. Press the up/down arrows to select a language, and press OK on the remote.
4. Press MENU on the remote to resume playback.


Note: Any settings you change on the disc menu only override the default settings in the DVD's menu system temporarily. Default settings are what you set up in the DVD's menu system. To change the default settings, see Chapter 4.

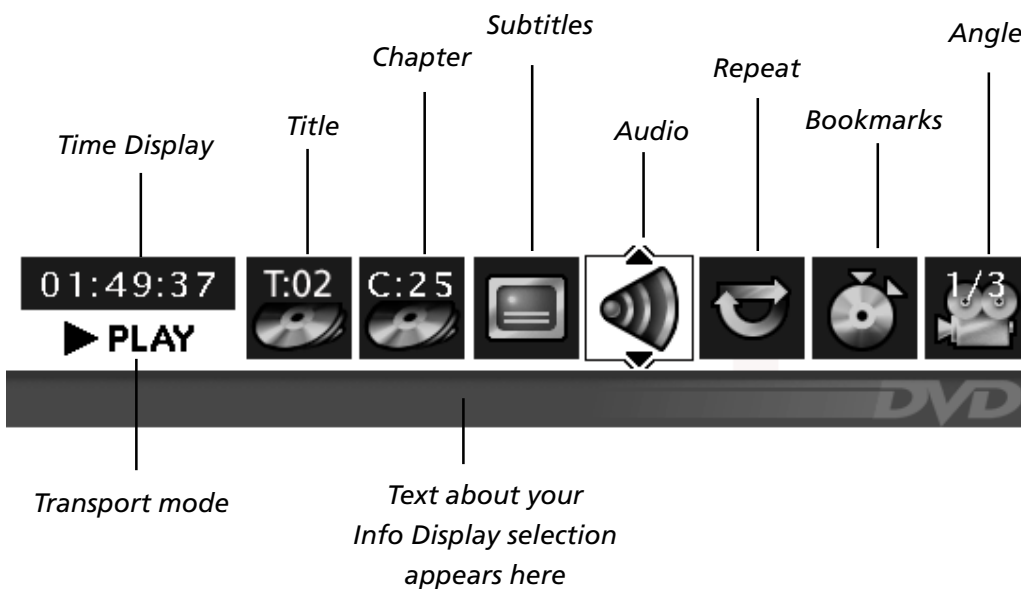
Using the On-Screen Info Display

The on-screen Info Display contains many playback features. To see the Info Display, press the INFO button on the remote while a disc is playing. The Info Display appears across the top of the screen. Each feature is illustrated with an icon. Use the left/right arrow buttons on the remote to move through the different icons in the Info Display.

When an icon is highlighted, use the up/down arrow buttons on the remote to scroll through the choices displayed in the text box under the icons.

Remember, you can only access the Info Display when you're playing a disc. Also, the Info Display features are only available if the disc was created with that particular feature (i.e., if you select the Subtitle icon, you won't be able to change the subtitle language unless the author of the disc created the disc with subtitles).

The invalid symbol  appears on the screen when you press a button that doesn't have any function. If one of the icons is "grayed out," that Info Display feature isn't available for the disc you're playing. To make the Info Display disappear from the screen, press INFO on the remote.



01:49:37

Time Display

This feature displays the audio/video time. For DVD discs, the time displayed refers to the current title time. For Audio CDs, it refers to the current track time.

For DVD video discs, the Time Display also acts as a Time Search feature. This lets you go to a particular scene in a movie by entering the time that scene is played. For example, if you like the dogfight scene in *Top Gun*, you can enter the elapsed time the scene plays and skip right to it. To use Time Search:

Press INFO on the remote to bring up the Info Display. Highlight the Time Display and enter the elapsed time of the scene you wish to go to. For example, enter 01:12:00 to go to the scene that plays at 1 hour and twelve minutes into the movie.

When you've entered the time, press OK on the remote.



Selecting a Title

Some discs contain more than one title. For example, there might be four movies on one disc (each movie might be considered a title). Each title is divided into chapters. To select a title:

1. While the disc is playing, press INFO on the remote to bring up the Info Display.
2. If the *Title* icon on the Info Display isn't highlighted, use the left/right arrow buttons to highlight it.
3. Use the number button(s) on the remote to enter the title number or press the up/down arrow buttons to go to the next/previous title.
4. Press OK on the remote when the title you want to play appears in the text window.

Note: Some discs only have one title.



Selecting a Chapter

Because DVD discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD). You can skip to a specific chapter by using the Chapter feature in the Info Display.

1. While a disc is playing, press INFO on the remote to bring up the Info Display.
2. Press the left/right arrow buttons to highlight the *Chapter* icon.
3. Use the number buttons on the remote to enter the number of the chapter you want to play or press the up/down arrow buttons to go to the next/previous title.
4. Press OK on the remote.

Notes:

The Chapter feature won't work if the disc isn't formatted with separate chapters.

By pressing CH + or CH - on the remote you can automatically highlight the Chapter icon. Then press CH + to advance to the next chapter or CH - to go to the preceding chapter.



Selecting Subtitles

By default, subtitles are off. To turn subtitles on:

1. While the disc is playing, press INFO on the remote.
2. Highlight the *Subtitles* icon. The Subtitle icon acts as a toggle to turn subtitles on and off. When subtitles are on, the text box below the icons will display the current subtitle language.

Selecting the Subtitle Language

You can change the Subtitle language while you're watching a DVD disc, but only if the disc was created with subtitles.

1. While the disc is playing, press INFO on the remote.
2. Press the left/right arrow buttons to highlight the *Subtitle* icon and if subtitles are off, press OK to turn them on.
3. Use the up/down arrow buttons to scroll through the subtitle languages that are available on the disc. If subtitles aren't available, the text in the text box will read *Subtitles: Not Available*. If subtitles are available, the language currently showing in the text box is the active selection. The subtitles will be shown in that language.
4. To make the Info Display disappear, press the INFO button on the remote.

Notes:

Changing the subtitle language with the Info Display will only affect the disc currently being played. When the disc is removed or the unit is turned off, the subtitle language will revert to the language setting specified through the DVD's main menu.

The subtitle language can also be changed through the DVD's main menu.



Changing the Audio Language

If the disc was created with different language tracks (recorded in different languages), you can use the Info Display to temporarily change the DVD's Audio Language setting.

1. While a disc is playing, press INFO on the remote to bring up the Info Display.
2. Press the left/right arrow buttons to highlight the *Audio* icon. The current audio language appears in the text box below the row of icons.
3. Press the up/down arrow buttons to scroll through the audio languages that are available on the disc until the audio language you want to use appears in the text box. Audio will be played in that language.
4. To make the Info Display disappear, press the INFO button on the remote.

Notes:

The language feature only works if the disc was created with multiple audio tracks.

When you choose an audio language from the Info Display, you only override the audio language setting in the DVD's main menu temporarily.

The audio language can also be changed through the DVD's main menu.



Using the Repeat Feature

The default mode for the Repeat feature is Off. There are four Repeat options:

- Disc – repeats the disc that is playing
- Title – repeats the title that is playing
- Chapter – repeats the chapter that is playing
- A•B – Set the beginning (point A) and the end (point B) to make this part of the movie play repeatedly.

To Use Repeat:

1. While a disc is playing, press INFO on the remote to bring up the Info Display.
2. Highlight the *Repeat* icon. The text in the text box below the icons will read *Repeat Mode: Off*.
3. Press the up/down arrow buttons to scroll through the *Repeat* options until the Repeat option you want is displayed in the text box.
4. Press OK. The selected repeat option will loop repeatedly until you turn Repeat off. Repeat is turned off by completing steps 1 through 3 above, and selecting the Off option.

A•B Repeat

A•B Repeat lets you define a specific segment on the disc that you want to repeat. For example, you might like to watch the dogfight in the movie *Top Gun*. To watch this scene over and over:

1. Find the spot on the disc that is a few seconds **before** the beginning of the scene you want to repeat (this gives you time to access the Info Display and the Repeat feature).
2. Press INFO on the remote and select the *Repeat* icon from the Info Display.
3. Press the up/down arrow buttons until the A•B Repeat option is shown in the text box underneath the icons. The text box reads *Repeat Mode: A-B Press OK to Set A Point*.
4. At the beginning of the scene you want to repeat, press OK to set the A point.
5. When you get to the part of the disc that you want to be the end of the repeated segment (the B point), press OK. The segment will repeat until you turn Repeat off.
6. To make the Info Display disappear from the screen, press the INFO button on the remote.

How to Cancel Repeat

There are three ways to cancel Repeat:

- Press STOP twice.
- Go to the *Repeat* icon in the Info Display and select *Off*.
- Eject the disc.

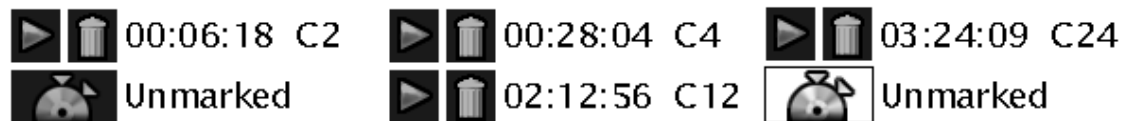


Using Bookmarks

The bookmark feature lets you mark a point on the disc that you can go to quickly. You can store up to 6 bookmarks per disc. When you turn the TV/DVD off or remove the disc, bookmarks are cleared.

Storing a Bookmark

1. While a disc is playing, press INFO on the remote.
2. Highlight the *Bookmark* icon and press OK.
3. The *Bookmark* Menu appears. An available unmarked icon will be highlighted (a disc with two arrows).



4. When you reach the scene you want to mark, press OK. The unmarked icon changes to two icons (side-by-side):
 - An arrow that is used to activate the bookmark.
 - A trash can that is used to clear the bookmark.Next to the icons, the bookmark start time and chapter are displayed.
5. Press the INFO button on the remote to make the Info Display disappear from the screen.

Using a Bookmark

1. While you're playing a disc, press INFO on the remote. The Info Display appears.
2. Highlight the *Bookmark* icon and Press OK. The *Bookmark* menu appears.
3. Highlight the arrow next to the bookmarked scene you want to activate.
4. Press OK to return to the place you bookmarked.
5. To make the Info Display disappear from the screen, press INFO on the remote.

Clearing a Bookmark

The bookmarks are cleared each time a disc is removed from the disc tray or when the power is turned off. If you want to clear a bookmark while the disc is playing:

1. Press INFO on the remote to bring up the Info Display.
2. Highlight the *Bookmark* icon and press OK.
3. Highlight the trash can icon next to the bookmark you want to clear. Press OK.
4. The bookmark is cleared and the trash can icon changes back to the unmarked disc icon.

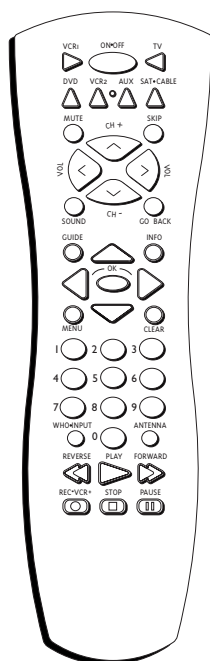
If all 6 bookmarks are in use, you can only mark a new scene by clearing an existing bookmark.



Changing the Camera Angle


Some discs contain multiple angles of a particular scene or sequence. If the disc only has one angle, this feature won't work. When multiple angles are available, the *Camera Angle* icon appears in the upper right corner of the screen. To change the camera angle:

1. While a disc is playing, press INFO on the remote. The Info Display appears.
2. The *Camera Angle* icon will display the number of angles available. For example, if there are 3 different angles, the icon will read 1 of 3. This means angle 1 is currently being played.
3. The text box beneath the icons displays *Camera Angle: 1*. Use the up/down arrow buttons to scroll through the camera angle choices. The camera angle number displayed in the text window is automatically shown.
4. To make the Info Display disappear, press the INFO button on the remote.



Disc Playback Features Using the Remote

You can use the remote control to activate disc playback features.

Playback features aren't usually available during the opening credits of a movie. If a playback feature isn't available, the invalid symbol  appears on the screen when you press that button.

Fast Motion Playback (Picture Scan)

To scan quickly through the disc when you're playing it, use the Picture Scan feature.

1. Press the REVERSE or FORWARD button on the remote when you're playing a disc.
2. Press the button again to scan at a faster speed. Each time you press the button, the scanning speed increases.
3. Press the PLAY button at any time to resume normal playback.

Note: You won't hear the sound (audio) on DVD discs when you're using the picture scan feature.

Freeze Frame and Frame Advance

1. Press PAUSE when a disc is playing to freeze the picture.
2. Each time you press the PAUSE button, the picture advances one frame.
3. Press PLAY to resume normal playback.

Slow Motion Playback (in Freeze Frame Mode)

While the disc is in freeze frame mode, you can use slow motion playback.

1. While the disc is playing, press PAUSE on the remote.
2. Press the REVERSE or the FORWARD button.
3. Press the button again to increase the slow motion playback speed.
4. Press PLAY to resume normal playback.

Chapter Advance

While a disc is playing, you can highlight the *Chapter* icon by pressing CH + or CH – button. You can then go forward or backward a chapter or track at a time by pressing CH + or CH – again.

Scene Again™

When you're watching or listening to a DVD disc, press the GO BACK button on the remote to go back approximately 10 seconds to see and hear missed content. Subtitles will automatically be displayed until the end of the replayed scene (to select the subtitle options, see Chapter 4). This feature only works if the disc is encoded with navigation control.

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Using the TV's Features

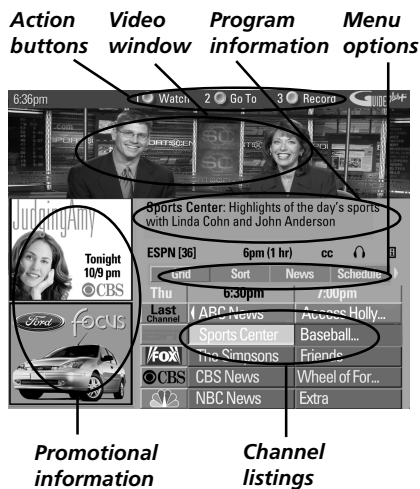
Chapter Overview:

- About the GUIDE Plus+ System
- The Channel Banner
- Auto Tuning
- Parental Controls and V-Chip

Changing Entertainment. Again.



Using the TV's Features



About the GUIDE Plus+ System

The GUIDE Plus+ system is an interactive on-screen program guide that lists TV schedules for your area and allows your TV/DVD direct control of a cable box and/or VCR. You must first set up the GUIDE Plus+ Menu system in order to view this on-screen program guide (see Chapter 1 for details). Press GUIDE to bring up the GUIDE Plus+ system.

There are six sections of the GUIDE Plus+ system:

- A row of Action buttons at the top of the screen (1, 2 and 3)
- Video window
- Program information
- A row of menu options (*Grid, Sort, News, Schedule, Messages, Channels, Setup*)
- Channel listings
- Promotional information

Note: The GUIDE Plus+ system screens illustrated in this book are representations of what you are likely to see. Not all channels, programs, and GUIDE Plus+ information depicted will be available in your area.

New features and options can be downloaded to the GUIDE Plus+ system, so these too are subject to change.

Tip

Since the program information provided by the GUIDE Plus+ system is based on your locale, you will need to run Setup again if you move to a different zip or postal code.

Downloading Data

The GUIDE Plus+ system is not available until it completes its first download of program listings. When the power is turned off, the TV locates a “host channel” that carries GUIDE Plus+ system data containing program schedule and channel lineup information. A channel lineup is the list of stations and their respective channels.

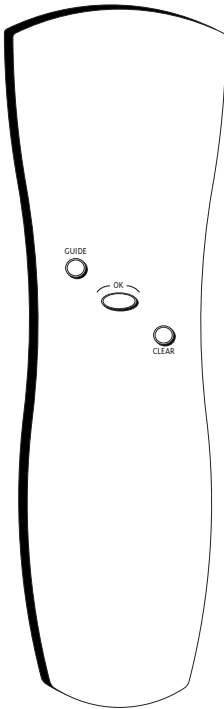
To ensure that your first download of data is complete, you should leave your TV/DVD off overnight. Downloads occur several times a day. The TV/DVD must be turned off for GUIDE Plus+ system data to download.

If the TV/DVD loses power or is unplugged, GUIDE Plus+ system program listings may be lost. When power is restored, make sure the setup information is still correct. The GUIDE Plus+ system will receive updated program information during the next scheduled download.

Channel Lineup

If more than one cable company services your area, you may be prompted with *STEP 5: Choosing Your Channel Lineup* after the first GUIDE Plus+ system download. You will need to identify your cable company by selecting the correct channel numbers for the stations in question.

- Use the up and down arrow buttons to change the channel group and press OK when the correct channel group is highlighted.



Press **GUIDE** on the remote control to see the **GUIDE Plus+** system. To remove the program guide from the screen, press **OK**, **GUIDE**, or **CLEAR**.

Getting In & Out of the GUIDE Plus+ System

To enter the GUIDE Plus+ system:

- Press **GUIDE** on the remote.

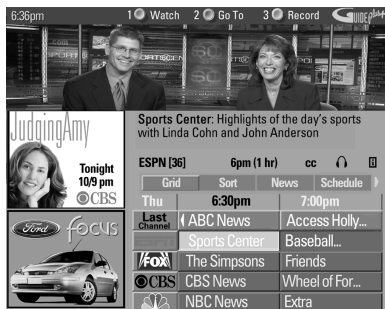
To exit the GUIDE Plus+ system:

- Highlight a program and press **OK** to exit the GUIDE Plus+ system and tune to the channel.
- Press **GUIDE** to exit the GUIDE Plus+ system and tune to the channel displayed in the video window.
- Press **CLEAR** to exit the GUIDE Plus+ system and return to the original channel.

The GUIDE Plus+ System Menus

The GUIDE Plus+ system offers seven different options on the Menu bar: *Grid*, *Sort*, *News*, *Schedule*, *Messages*, *Channels* and *Setup*. To access the Menu bar:

1. Press **GUIDE** to access the GUIDE Plus+ system.
2. Press **MENU** or use the up and down arrow buttons to select the Menu bar (the Grid Guide appears by default).
3. Use the left and right arrow buttons to access other menus.
4. Press **OK**, or **MENU**, or use the down arrow button to see the menu options.



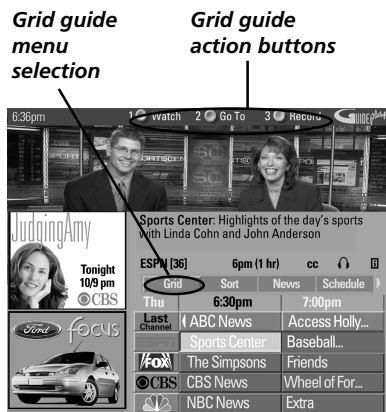
Grid Guide

The Grid Guide appears each time you enter the GUIDE Plus+ system. It displays the current programming for each channel. The current program is displayed in the video window.

- Press the up and down arrow buttons on the remote to browse channel listings and the channel up and down buttons to page through the listings. Use the right and left arrow buttons to browse future program listings.
- To tune to a channel, highlight the program you want to view in the channel listing and press **OK**.

Then use the Grid Guide Action Buttons as described next.

Using the TV's Features



Grid Guide Action Buttons

Action buttons will change according to where you are in the GUIDE Plus+ system. Be sure to look at the action bar before pressing the command numbers.

When highlighting the program, the following Action buttons appear:

- **Watch** Press 1 on the remote to place a timer in the Schedule for the TV to turn on and tune to the program highlighted in the channel listing. When the TV turns on, the GUIDE Plus+ system will automatically appear with the scheduled program highlighted and tuned in the video window.
- **Go To** Press 2 on the remote to bring up the direct dial box and enter the number of the channel you want. Press OK to highlight the channel and current program in the channel listing of the Grid guide. Press OK again to tune to the highlighted channel. If the video window is unlocked, it will automatically tune to the channel.
- **Record** Press 3 on the remote to place a timer in the Schedule for the VCR to record the program highlighted in the channel listing.

If you have a cable box, changing channels on the TV will not cause the cable box channel to change while recording.

Record will only appear if you have set up the GUIDE Plus+ system and specified your VCR type.

The program information window will display a confirmation when you have successfully scheduled a program to watch or record.

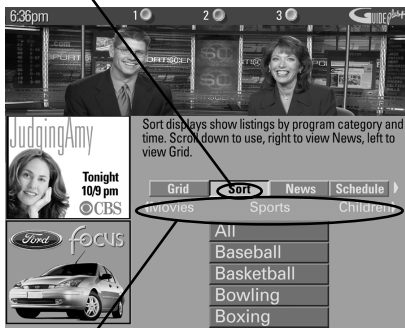
Note: If you have selected two programs to watch or record which begin at the same time or overlap, you will receive a timer conflict message. You must choose between the two programs.

When highlighting the Channel names (the left column on the channel listing), the following Action buttons appear:



- **Lock/Unlock** Press 1 to lock or unlock the video window to either stay at one channel as you browse the GUIDE Plus+ system (lock) or change as you browse through different channels (unlock).
- **Go To** Press 2 on the remote to bring up the direct dial box and enter the number of the channel you want. Press OK to highlight the channel and current program in the channel listing of the Grid Guide. If the video window is locked, press OK to tune to the highlighted channel. If the video window is unlocked, it will automatically tune to that channel.

Sort menu
selection



Categories

Sort

The *Sort* menu lets you browse programs by category. The channel to which you are currently tuned is displayed in the video window.

To Sort:

1. If the GUIDE Plus+ system isn't on your screen, press GUIDE on your remote control.
2. Press MENU on the remote to select the Menu bar.
3. Use the arrows to highlight *Sort*. When *Sort* is highlighted for the first time, the *Movies* category is displayed. Thereafter, the last category used becomes the default. A listing of subcategories is displayed below the category name. Use the left and right arrows to highlight other categories.
4. Use the up and down arrow buttons to highlight a subcategory. For example, highlight *All* and press OK (the GUIDE Plus+ system sorts the programs).
5. Press the up and down arrow buttons to review the list one program at a time. Press the channel up and down to review the list one page at a time.
6. Select MENU to return to the menu bar, or press GUIDE or CLEAR to exit the GUIDE Plus+ system.

Then use the Sort Menu Action Buttons as described next.



Sort Menu Action Buttons

When viewing the results of a Sort, the following Action buttons appear:

- **Watch** Press 1 on the remote to place a timer in the Schedule, and then follow the on-line help for further options. Placing a timer in the Schedule will cause the TV to turn on and tune to the program highlighted in the channel listing at the predetermined time.
- **Record** Press 3 on the remote to set the VCR to record the program highlighted in the channel listing. If you have a cable box, changing TV channels will not cause the cable box channel to change while recording.

The program information window will display a confirmation when you have successfully scheduled a program to watch or record.

Notes: If you have selected two programs to watch or record which begin at the same time or overlap, you will receive a timer conflict message. You must choose between the two programs.

Be sure that during the GUIDE Plus+ system setup you specified that you have a VCR.

Using the TV's Features



News

The *News* menu lets you browse current news stories by headline.

1. If the GUIDE Plus+ system isn't on your screen, press GUIDE on your remote control.
2. Press MENU on the remote control to select the menu bar.
3. Use the arrows to highlight *News* (if MSNBC is available on your TV, it will appear in the video window).
4. Use the up and down arrows to highlight a story.
 - Use the up and down arrows to browse the list one story at a time.
 - Use the channel up and down to browse through the list one page at a time.
5. Press the right arrow button to see full text.
6. If there are multiple pages of text, press the right or left arrow button to page forward or back through the pages of text. Press the down arrow to view the next story.
7. Select MENU to return to the Menu bar, or press GUIDE or CLEAR on the remote to exit the GUIDE Plus+ system.



Schedule

The *Schedule* menu allows you to alter timers for either viewing or recording programs. The GUIDE Plus+ system allows one-touch VCR recording if you have connected the G-LINK cable to your VCR. See Chapter 1 for more details on connecting the G-LINK cable.

To schedule a program to watch or record:

1. If the GUIDE Plus+ system isn't on your screen, press GUIDE on your remote control.
2. Press MENU on the remote to select the Menu bar.
3. Highlight a program within the channel listing.
4. Select *Watch* or *Record* from the Action buttons bar. The timer is then automatically logged into the *Schedule* menu.
5. If you select *Record*, make sure to place a blank tape in the VCR and turn it off.

Note: If you have a cable box connected to your TV/DVD and VCR, tune your VCR to the cable box output channel prior to turning off the VCR.

The program information window will display a confirmation when you have successfully scheduled a program to watch or record.

Note: If you have selected two programs to watch or record which begin at the same time or overlap, you will receive a timer conflict message. You must choose between the two programs.

Using the TV's Features

To remove or change the frequency (daily, once, or weekly) of a scheduled event, access the *Schedule* menu from the Menu bar.

1. Press GUIDE to bring up the GUIDE Plus+ system.
2. Press MENU on the remote to select the Menu bar.
3. Use the arrows to highlight the *Schedule* menu selection.
4. Use the up and down arrows to highlight the program you want to edit.

Then use the Schedule Menu Action Buttons as described next.



Schedule Menu Action Buttons

When viewing the *Schedule* menu the following Action buttons appear:

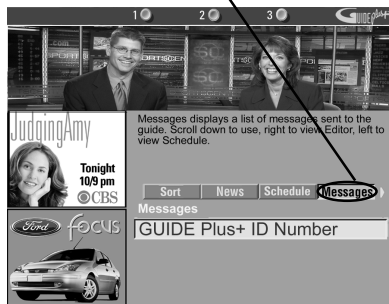
- **Remove** Highlight the *Watch* or *Record* timer you wish to remove from the schedule and press 1 on the remote.
- **Change** Highlight the *Watch* or *Record* timer you wish to change and press 3 on the remote to toggle the frequency between the following choices:

DAILY records the same program each day Monday through Friday.

ONCE records only on that day.

WEEKLY records the program each week at the same time.

Messages menu selection



Messages

Occasionally you will receive messages regarding your GUIDE Plus+ system, as well as special programming information. You can access these messages from the *Messages* menu on the Menu bar.

To read messages:

1. If the GUIDE Plus+ system isn't on your screen, press GUIDE on your remote control.
2. Press MENU on the remote to select the Menu bar.
3. Use the arrows to highlight the *Messages* menu selection.
4. Highlight the message you want to read by using the up and down arrow buttons.
5. Press INFO to display the full text of the message. If the text continues beyond the screen, press INFO to view the next page of text. Once you have reached the end of the message, press INFO to close the expanded information and return to the *Messages* screen.

Then use the Messages Menu Action Button as described next.

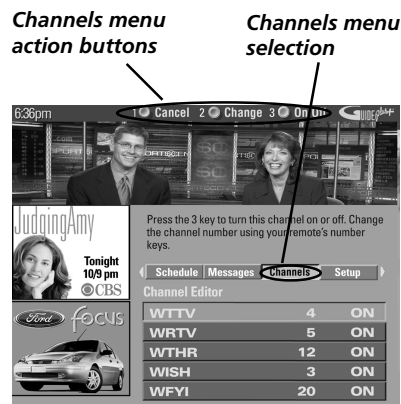
Messages Menu Action Button

When viewing the *Messages* menu the following Action button appears:

- **Remove** Highlight the message you want to delete and press 1 on the remote.



Using the TV's Features



Channels

You can customize the channel listing by enabling or disabling the display of certain channels. For instance, you may disable channels that you never watch. You can restore disabled channels at a later point in time.

1. If the Guide Plus+ system isn't on your screen, press GUIDE on your remote control.
2. Press MENU to select the Menu bar.
3. Use the right and left arrows to highlight the *Channels* menu selection.
4. Use the up and down arrows to select a channel.

Then use the Channels Menu Action Buttons as described next.



Channels Menu Action Buttons

While browsing the *Channels* menu, the following Action buttons appear:

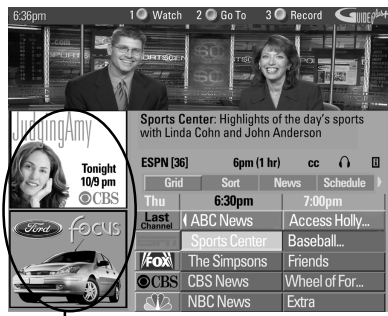
- **Cancel** Press 1 on the remote to cancel any changes you made since entering the *Channels* Menu.
- **Change** Press 2 on the remote to change the channel number for the highlighted channel line.
- **On/Off** Press 3 on the remote to toggle the state of the channel between *On* and *Off*.

Setup

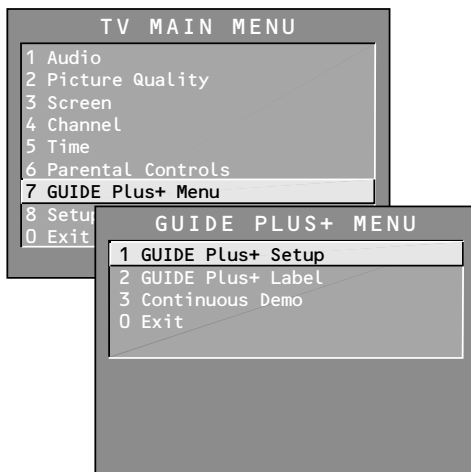
The *Setup* menu allows you to access the GUIDE Plus+ system setup information. To access the Setup option:

1. If the Guide Plus+ system isn't on your screen, press GUIDE on your remote control.
 2. Press MENU to select the Menu Bar.
 3. Use the right arrow to highlight the *Setup* menu selection.
 4. Use the up and down arrows to select *Change system settings*, *Review options*, or *View demo*.
- **Change system settings** Confirms the settings you completed in the GUIDE Plus+ system setup are correct.
 - **Review options** Displays the GUIDE Plus+ auto display options.
 - On** Automatically displays the GUIDE Plus+ system when you press the ON•OFF button on the remote control.
 - Off** Disables the GUIDE Plus+ system from being displayed when you press the ON•OFF button on the remote control.
 - **View demo** Runs the GUIDE Plus+ system demonstration.

Note: If you have not completed your GUIDE Plus+ system setup, these options will not be available. A screen will prompt you to complete your setup.



Promotional information



How to Get More Information About an Advertisement or a Program

To find out more information about a program, advertisement or special, use the left arrow button to highlight the program or promotional information box.

Requesting more information about a particular show displays the PlusCode programming number and the *Shows on Next* for that channel.

Press the INFO button to exit the expanded information screen.

GUIDE Plus+ Menu Items

The *GUIDE Plus+ Menu* gives you access to features in the GUIDE Plus+ system. To access the *GUIDE Plus+ Menu*:

1. Press MENU on the remote.
2. Highlight *GUIDE Plus+ Menu* and press OK.

Each menu and the sub-menus are listed below:

GUIDE Plus+ Setup Displays *STEP 4: Confirming Your Settings* screen of the GUIDE Plus+ system setup.

Yes, everything is correct Confirms the settings you completed in the GUIDE Plus+ system setup are correct.

Yes, but my channel lineup is incorrect Displays *STEP 5: Choosing Your Channel Lineup* screen, allowing you to change your lineup if it is incorrect.

No, repeat setup process Begins the GUIDE Plus+ system setup.

GUIDE Plus+ Label Displays the GUIDE Plus+ label menu.

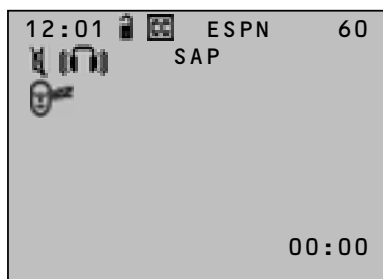
On Displays the station name when you change channels.

Off The station name isn't displayed when you change channels.

Continuous Demo Runs the GUIDE Plus+ system demonstration until it is turned off. **To turn off the demonstration, you must turn off the TV.**

Note: If you have not completed your GUIDE Plus+ system setup, these options will not be available. A screen will prompt you to complete your setup.

Using the TV's Features



Sample displays on a Channel Banner.

Channel Banner

There are several indicators that might appear when you press the TV or INFO buttons on the remote. This display is called the Channel Banner. The following list describes the items on the Channel Banner screen (left to right and top to bottom).

12:01

Displays the current time.



The lock is displayed to indicate when the Parental Controls are locked or unlocked.



Displayed when Closed Captioning is available on the current channel.

ESPN

Displays the label assigned to the current channel.

60

Displays the current channel or input channel.



Mute is displayed when you mute the audio.



Stereo is displayed when the current channel is broadcasting in Stereo.

SAP

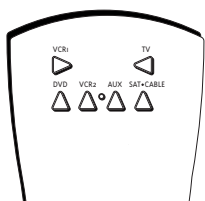
Displayed when the current channel is broadcasting SAP (Second Audio Program) information.



Displayed when the Sleep Timer has been set.

00:00

Displayed to count down time left on the commercial skip (SKIP) timer.



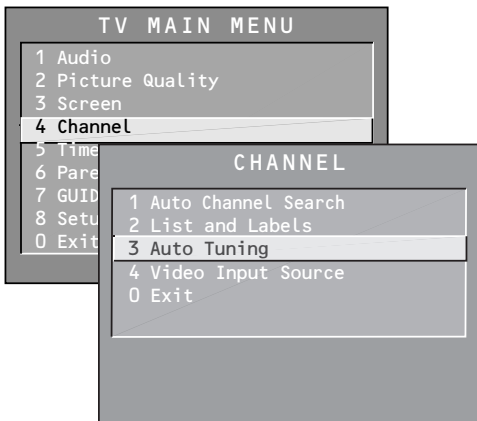
With the auto tuning feature, you can set up the TV/DVD to tune to the channel you need to watch by pressing that component's button.

Why You Should Use the Auto Tuning Feature

The auto-tuning feature automatically tunes the TV to the correct channel for different components you have connected to your TV/DVD (like a VCR, satellite receiver, etc.) When you set up auto tuning in the menu system you don't have to remember to change your TV to channel 3, for example, when you want to watch the tape in your VCR.

How to Set Up the Auto Tuning Feature

The way you set up the auto tuning feature in the TV's menu corresponds to the component buttons on the remote and the way you have each component connected to your TV/DVD. When you are in TV mode and set auto tuning, you're telling it what channel to tune to when you press the VCR1, VCR2, or SAT•CABLE button on the remote control.



1. Press MENU (the *TV MAIN MENU* appears).
2. Highlight *Channel* and press OK on your remote control.
3. Highlight *Auto Tuning* and press OK.
4. Choose which channel you would like to set:

Set VCR 1 Channel Displays a list that lets you set up the channel that the TV/DVD tunes to when you press the VCR1 button on the remote.

Set VCR 2 Channel Displays a list that lets you set up the channel that the TV/DVD tunes to when you press the VCR2 button.

Set SAT/CABLE Channel Displays a list that lets you set up the channel that the TV/DVD tunes to when you press SAT•CABLE.

5. Highlight the choice that matches the way you have the component connected to this TV/DVD, and press OK.

The choices and a brief explanation follow:

Not connected Choose this if you don't have this particular component connected to the TV/DVD, or if you don't want to automatically tune to the correct channel when you're using this component.

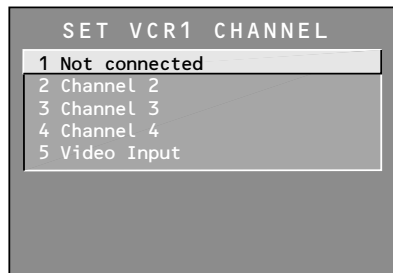
Channel 2 (SAT/CABLE only) Component (satellite or cable box) is connected to the ANTENNA jack on the back of the TV/DVD, and when in TV mode you want to tune to channel 2 when you press the SAT•CABLE button on the remote. Reminder: make sure the component's Channel 2/3/4 switch is set to channel 2. Usually this switch is on the back of the component.

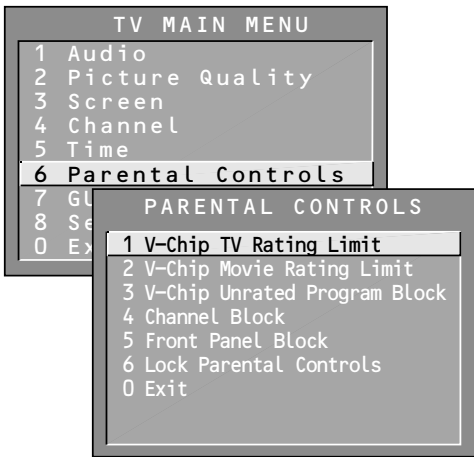
Channel 3 Component is connected to the ANTENNA jack on the back of the TV/DVD, and when in TV mode you want to tune to channel 3 when you press the corresponding button on the remote. Reminder: make sure the component's Channel 3/4 switch is set to channel 3.

Channel 4 Component is connected to the ANTENNA jack on the back of the TV/DVD, and when in TV mode you want to tune to channel 4 when you press the corresponding button on the remote. Reminder: make sure the component's Channel 3/4 switch is set to channel 4.

Video Input Component is connected to the VIDEO jack on the back of the TV/DVD and when in TV mode you want to tune to VID (SVID if you used an S-Video cable) Input Channel when you press the component button.

Note: You should choose this for your VCR if you connected it to the TV/DVD with audio/video cables.





Parental Controls and V-Chip

The *Parental Controls* menu allows you to program your TV so that children cannot see certain programs, channels, or use the front panel controls. The first three choices in the *Parental Controls* menu involve software inside your TV (referred to as V-Chip) which allows you to block TV programs and movies based on violence, sex, or other content you may believe children should not view. In other words, it lets you program your TV so it won't display certain programs.

Once you block programs, you or other adults can unblock programs by entering a password.

By default, the software inside your TV is turned "off," so if you don't want to use this feature, you can just ignore it.

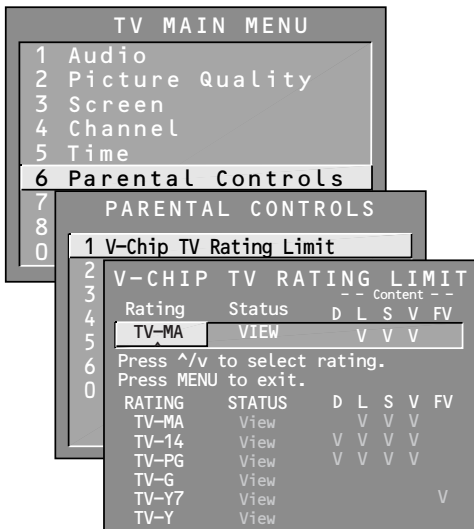
How V-Chip Works

When turned "on," the V-Chip software reads a code that most broadcasters send with programs. That code tells the software the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)]. If you have blocked the rating and/or content themes that the program contains, you will receive the message, "This channel is not approved for viewing," when you tune to that particular channel.

Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block out programs that have been given a rating of "Not Rated," and programs that are considered "unrated" because no code has been sent by the broadcaster. The TV age-based ratings and content themes you can block are listed in the following table.

Using the TV's Features

Age-Based Rating	Description and Content Themes for Age-Based Ratings
TV-MA	Mature Audience Only. Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).
TV-14	Parents Strongly Cautioned. Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).
TV-PG	Parental Guidance Suggested. Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).
TV-G	General Audience. Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).
TV-Y7	Directed to Children 7 years and older. Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.
TV-Y	All Children. Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.



V-Chip TV Rating Limit

The *V-Chip TV Rating Limit* lets you decide which TV programs can and cannot be viewed.

To set TV programming limits:

1. Choose *Parental Controls* from the Main menu. If Parental Controls have previously been locked, you must enter your password. If they are not locked, you will get a message reminding you that your limits will not be effective until you lock Parental Controls.
2. Press MENU to continue.
3. Highlight and select *V-Chip TV Rating Limit*.
4. Once you get to the *V-Chip TV Rating Limit* screen, use the arrow buttons and OK on your remote to change the status of a TV program rating or content theme from *View* to *Block*.

The following sections give you more details about how to change the status of TV program limits.

Using the TV's Features

The V-Chip Rating Limit Screen

The following is an example of where items are located within the Rating Limit screen.

Rating Status Field

Lets you select whether the status of the age-based rating limit to the left is View or Block.

Content Themes

Lists the content themes you can block or view.

Rating Field

Lets you select from a list of age-based ratings you can block or view.

Content Status Fields

Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently View (V) or Block (B).

V-CHIP TV RATING LIMIT

Rating Status -- Content --

TV-MA	VIEW	D	L	S	V	FV
		V	V	V		

Press ^/v to select rating.
Press MENU to exit.

RATING	STATUS	D	L	S	V	FV
TV-MA	View			V	V	V
TV-14	View	V	V	V	V	
TV-PG	View	V	V	V	V	
TV-G	View					
TV-Y7	View					V
TV-Y	View					

Rating Settings Area

Lets you see the current block/view state of age-based ratings and associated content. The View (V) settings are coded in green, and the Block (B) settings are coded in red.

Rating field

Rating status field

Content status fields

V-CHIP TV RATING LIMIT

Rating Status -- Content --

TV-PG	Block	B	B	B	B	
-------	-------	---	---	---	---	--

Press ^/v to view programs with this rating. Press MENU to exit.

RATING	STATUS	D	L	S	V	FV
TV-MA	Block			B	B	B
TV-14	Block	B	B	B	B	
TV-PG	Block	B	B	B	B	
TV-G	View					
TV-Y7	View					V
TV-Y	View					

Tip

When you change the status of a rating to Block, the system will automatically block higher ratings and all corresponding content themes.

Blocking Age-Based Ratings

You can automatically block all program ratings above a specified age-based rating level. For example, if you only want your child to watch programs that have a TV-G rating and lower (in other words, you want the child to watch TV-G, TV-Y7, and TV-Y), then you need to block out other programming with higher ratings.

To block programs with higher ratings:

1. First, determine the lowest level rating you don't want the child to watch (see chart of age-based ratings on next page).
2. Press the left and right arrow buttons to highlight the *Rating* field.
3. Press the up and down arrow buttons on the remote to scroll through the age-based rating limits. Keep scrolling until the rating corresponding with the lowest rating you do not want the child to watch appears on the screen.

In the example discussed above, you would scroll through the *Rating* field until TV-PG appears, since the highest rating you want the child to watch is TV-G.

Using the TV's Features

Hierarchy of Age-Based Ratings	
TV-MA	Mature Audience Only
TV-14	Parents Strongly Cautioned
TV-PG	Parental Guidance Suggested
TV-G	General Audience
TV-Y7	Directed to Children 7 years and older
TV-Y	All Children

Tip

To reset the ratings to *View* and *V*, press the **RESET** button on the remote.

- Press the right arrow button to move the yellow highlight to the *Status* field.
- Press the up or down arrow button to toggle between *View* and *Block*. The status for the rating listed to the left and all higher ratings automatically changes to *Block* (and *B*).
- Press OK on the remote to return to the menu or exit the screen when you are finished.
- Select *Lock Parental Controls* from the *Parental Controls* menu. Enter a password, and if you have not already set your password, you will be prompted to enter it again to confirm.

Rating field	Rating status field	Content status fields
V-CHIP	TV RATING	LIMIT
Rating	Status	D L S V FV
TV-14	View	V V V V
Press ^/v to view programs with this rating. Press MENU to exit.		
RATING	STATUS	D L S V FV
TV-MA	Block	B B B
TV-14	View	V V V V
TV-PG	Block	B B B
TV-G	View	
TV-Y7	View	V
TV-Y	View	

Viewing Age-Based Ratings

After you block age-based ratings, you have the option of changing some of the ratings back to *View*.

- Determine which blocked rating you want to view.
- Use the up and down arrow buttons to select the rating with a status of *Block*.
- Press the right arrow button to move the yellow highlight to the rating status field.
- Press the up button to select *View*.

Notes: The content status fields corresponding to the unblocked rating become *View* as well. They and the age-based rating status are the only fields that automatically change back to *View* when you complete this process.

You must remember to lock Parental Controls for rating limits to take effect.

Content Themes	
D	Sexually explicit dialogue
L	Adult language
S	Sexual situations
V	Violence
FV	Fantasy Violence
TV-Y	All Children

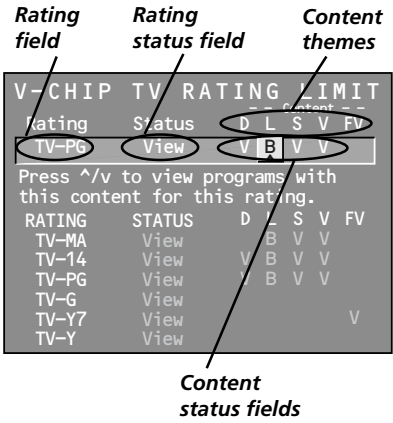
Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the D, L, S, V, FV and TV-Y on your screen. See the beginning of this section for details.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

For example, if you do not want your child to watch programs that have adult language (L) rated TV-PG or higher, then you could block out all programming TV-PG and above containing adult language.

(Steps continued on next page)

Using the TV's Features

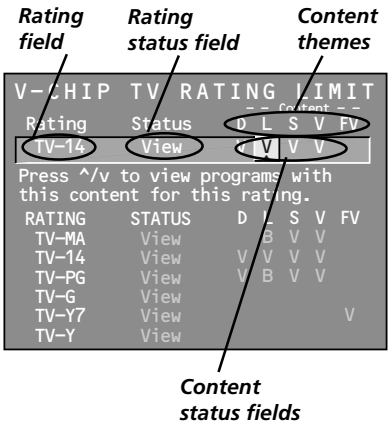


To block program content:

1. Determine the lowest level of content you don't want the child to watch.
2. Use the up and down arrow buttons on the remote to scroll through the age-based ratings until the rating that corresponds with the lowest content you do not want the child to watch appears. (In the example above, you would scroll through the ratings until the TV-PG rating appeared.)
3. Press the right arrow button to move the highlight to the field corresponding with the content theme you want to block out.
4. Press the up or down arrow button to change content status from *V* to *B*. All higher ratings' content theme will automatically change to *B*.
5. Press OK to return to the menu or exit the screen.

Notes: Broadcasters are not required to provide content themes or age-based ratings. Programs received with no content themes will only be blocked if you block their age-based rating.

You must remember to lock Parental Controls for rating limits to take effect.

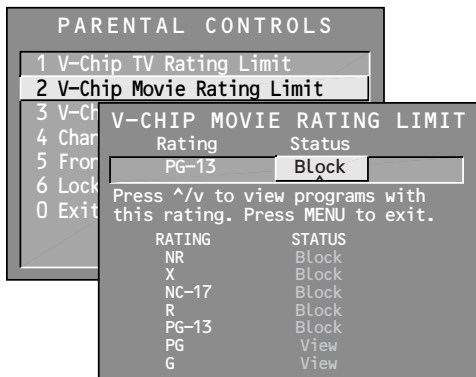


Viewing Specific Content Themes

If you block specific content themes, you have the option of going back and changing some of the content themes back to *(V) View*:

1. Determine the content themes you want to change to *(V) View*.
2. Use the up and down arrow buttons to scroll through the age-based ratings until the rating whose content theme you want to change to *View* appears.
3. Press the right arrow button to move the yellow highlight to a particular content theme status, such as the *B* under language (L) corresponding with TV-14.
4. Press the up or down arrow button to change its status back to *V*. Your child would then be able to watch programs with TV-14 adult language content, but not programs with TV-PG or TV-MA language content.

Note: Only the content theme status corresponding to TV-14 (L) language changes to *(V) View*. Higher rated content themes, such as that for TV-MA language, do not change.

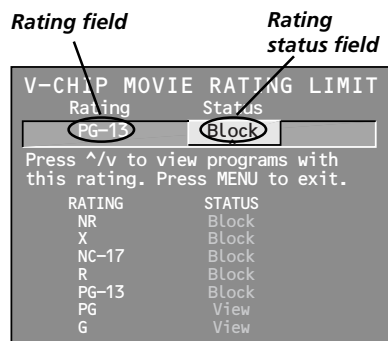


V-Chip Movie Rating Limit

You set movie rating limits by blocking movies rated above a specified level. How to block movie ratings and view movie ratings is explained in the next two sections.

To access the *V-CHIP MOVIE RATING LIMIT* menu:

1. Press MENU on the remote control (the *TV MAIN MENU* appears).
2. Select *Parental Controls* (press 6).
3. Select *V-Chip Movie Rating Limit* (press 2).



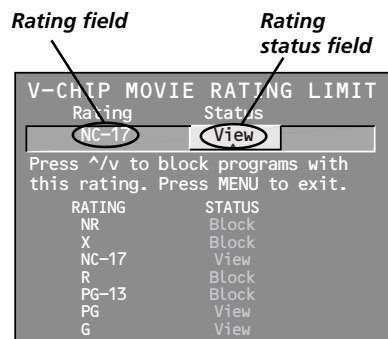
Blocking Movie Ratings

If you only want your child to watch movies that have a PG rating and lower (in other words, movies rated PG and G), then you could automatically block out all other movies with higher ratings.

To block movies:

1. Highlight the *Rating* field and press the up and down arrow buttons to find the rating that is the lowest rating you don't want the child to watch. (In the example above, you would highlight the rating status button corresponding to PG-13, since the highest rating you want the child to watch is PG.)
2. Press the right arrow button to highlight the rating *Status* field. Press the up and down arrow buttons to change the button from *View* to *Block*. All higher ratings automatically change to *Block*.
3. Press OK to return to the menu or exit the screen.
4. If Parental Controls are not locked, you must lock them so the movie rating limits will take effect.

Note: Some movies may be given a Not Rated (NR) rating. After blocking movie ratings, you must set NR to View separately to view NR movies.



Viewing Movie Ratings

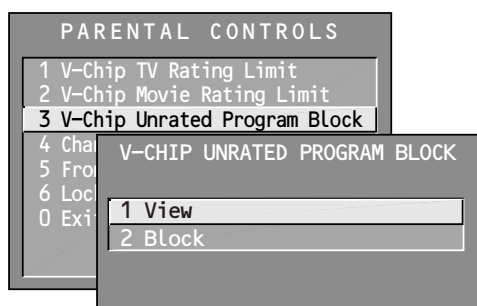
After you block movie ratings, you have the option of changing some of the rating status buttons back to *View*:

1. Highlight the *Rating* field and press the up and down arrow buttons to find the rating you want to view.
2. Press the right arrow button to highlight the rating *Status* field. Press the up and down arrows to change the button from *Block* to *View*.

For example, if movies with a rating of PG-13 and higher are blocked, you can change the rating status corresponding with NC-17. Your child would then be able to watch all movies with a G, PG, and NC-17 Rating.

3. Press OK to exit the screen, and be sure parental controls are locked.

Using the TV's Features



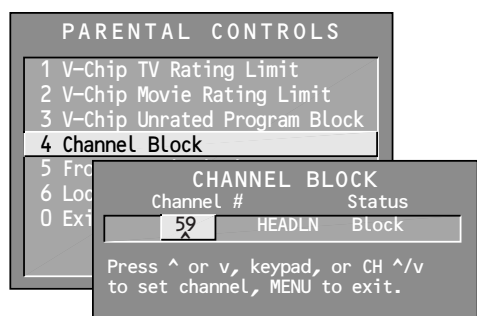
V-Chip Unrated Program Block

Selecting this option lets you decide if programs that the V-Chip recognizes as “unrated” can be viewed. Note that “unrated” TV programs may include news, sports, political, religious, local and weather programs, emergency bulletins, public announcements, and programs without ratings.

View All unrated programs are available.

Block All unrated programs are not available.

Note: You must remember to lock Parental Controls for rating limits to take effect.



Channel Block

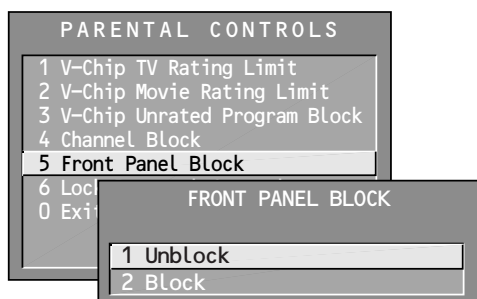
Selecting this option lets you decide what channels can be viewed.

View Makes the selected channel viewable.

Block The front panel and remote control CH (channel) buttons will tune only to channels that you have marked as *View*. The remote will still tune to the blocked channel if you use the digits to access the channel, but the channel will be blocked.

Don't forget to lock parental controls after you change the status of *Channel Block*. If you do not, the channel block will not take effect.

Note: If you have a digital cable box channels 126-999 can be blocked but will not be removable from your scan list.



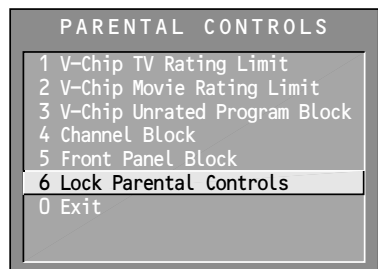
Front Panel Block

Selecting this option lets you block (disable) or unblock (enable) the TV/DVD's front panel. The remote still tunes to any channel. *Front Panel Block* can:

- Keep children from watching TV when the parent is not present.
- Keep young children from playing with the buttons.

(When using this as a Parental Control method, you should remove access to any remote that is capable of operating the television while you have the front panel blocked.)

Don't forget to lock parental controls after you change the status. If you do not, the front panel block will not take effect.



Lock/Unlock Parental Controls

Selecting this option lets you lock and unlock parental controls settings using a password.

If you do not lock parental controls, none of the settings for V-Chip, Channel Block, or Front Panel Block will take effect.

If you forget your password, simultaneously press and hold VOL - on the front panel and VOL - on the remote for 3 seconds. Nothing appears on the screen, Parental Controls simply unlock and you can re-enter a password via *Lock Parental Controls*.

Using the DVD's Menu System

Chapter Overview:

- The DVD's Menu System
- The Play Mode Menu
- The Lock Menu
- The Display Menu
- The Sound Menu
- The Languages Menu
- The Glossary

Changing Entertainment. Again.



Using the DVD's Menu System

The DVD's Menu System

The DVD's menu system is not the same as the disc menu or the Info Display. The DVD's main menu comes up when there is no disc playing. If you are playing a disc, press STOP on the remote control to stop playback and bring up the DVD's main menu.



The Sound menu is an example of a path menu item.

Two Types of Menu Items: Path and Action

Path Items

A path menu item has an arrow on the right side to let you know this item is a path to MORE options. To see the path menu options, highlight the path menu item and press OK. The next set of menu choices appears to the right of the menu item.

The *Sound* menu is an example of a path menu item—when the *Sound* menu is highlighted, press OK. The Sound options appear on the screen.



The Play option is an example of an action menu item.

Action Items

Action menu items are used in two ways:

With an action menu item, what you see is what you get. When an action menu item is highlighted, press OK and that action is taken. *Resume Play* on your DVD's menu system is an example of an action menu item. Press OK when *Resume Play* is highlighted; the menu disappears and playback is resumed.

Sometimes an action menu item is used as a “toggle.” You highlight the action menu item, press OK, and the selection (shown to the right of the menu item) changes from one choice to another. *Sound Logic* in the *Sound* menu is an example of an action menu item that is a toggle. If you highlight *Sound Logic* and press OK, the selection changes from *On* to *Off* and vice versa, each time you press OK. To return to the previous screen, press the left arrow button.



Press OK to clear the screen and resume play.

The Play/Resume Play Option

To get to the DVD's main menu, press STOP on the remote control. The first item in the main menu is the *Play/Resume Play* option. If there isn't a disc in the TV/DVD, the option reads *Play* with the prompt *Insert Disc* to the right. If there is a disc in the TV/DVD and it was previously playing, the option reads *Resume Play* and the name of the disc is displayed on the right.

Any time you stop playback, you will be returned to the DVD's main menu, and the *Play* option will read *Resume Play*. To resume play, highlight the option and press OK, or press the PLAY button on the remote.

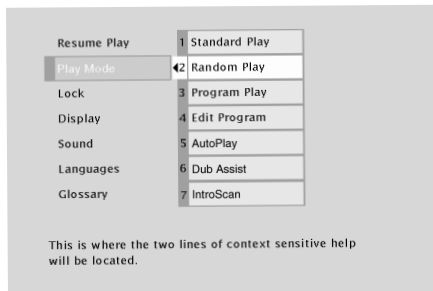
The Play Mode Menu

The DVD's *Play Mode* menu lets you choose different ways to play the disc. To see *Play Mode* menu options, a disc must be in the TV/DVD.

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight the *Play Mode* menu option.
3. Press OK. The *Play Mode* menu items appear.
4. Highlight the desired option and press OK. *Program Play* will not work unless you have created a program list.

Selecting a Play Mode

The first three options in the *Play Mode* menu determine in what order the titles or tracks will play on a disc.



Selecting *Random Play* plays the disc's tracks in random order.

Standard Play: plays the disc's titles and chapters in their default order (i.e., chapter 1 of Title 1 plays first, then chapter 2 of Title 1, etc.)

Random Play: plays the chapters of each title in random order.

Program Play: Plays the chapters on the disc in the order you have programmed (you must select *Edit Program* and set up the order in which you want the tracks on the disc to play).

Using the DVD's Menu System

How to Create a Program

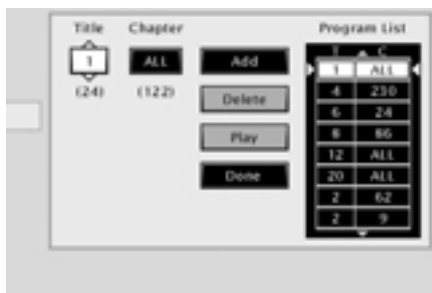
To use the *Program Play* option, you must create a program list to set the order in which you want titles and chapters on a DVD video disc to play. To create a program list for an Audio CD or MP3 go to Chapter 6.



When the *Title* box is highlighted, enter the title number you want to place in the list.

Creating a Program List for a DVD Video Disc

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. The *Title* box is highlighted. Use the up/down arrows or the number buttons on the remote to enter the title you want to play first. The title number you entered appears in the *Title* box. The number of chapters available appears under the *Chapter* box.
5. Highlight the *Chapter* box and use the up/down arrows or the number buttons on the remote to enter the chapter you want to play first and press OK. The highlight jumps to the *Add* button.
6. Press OK to add that chapter to the *Program List*. The highlight jumps back to the *Title* box so you can add more titles and/or chapters. Make sure the *Title* box is highlighted and enter your next title and/or chapter.
7. Continue adding titles/chapters as explained in steps 4-6 until your program is complete. You can play your program by highlighting *Play* and pressing OK, or you can save the program by highlighting *Done* and pressing OK. The program will be erased when you remove the disc from the TV/DVD.



To delete an entry from the playlist, highlight it, then highlight *Delete* and press OK.

Editing a Program

Deleting Chapters

To delete chapters from the playlist:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. Highlight the item in the playlist you want to delete.
5. Highlight *Delete*, and press OK.
6. When you are finished rearranging the playlist, highlight *Done* and press OK.

Using the DVD's Menu System

Inserting Chapters

To insert chapters into the playlist:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. Use the left/right arrow keys to move the highlight to the program list. Use the up/down arrow keys to mark the spot in the playlist where you want to insert a chapter (the inserted chapter will be placed *before* the highlighted chapter).
5. Highlight the *Chapter* box and use the up/down arrows or the number buttons on the remote to enter the chapter you want to play first.
6. Once you enter the number, the *Insert* box is highlighted. Press OK to insert the chapter in the playlist.
7. When you are finished rearranging the playlist, highlight *Done* and press OK.

AutoPlay

You can set the AutoPlay option to play your disc automatically after you close the disc tray.

1. From the DVD's main menu (in DVD mode, no disc playing) highlight the *Play Mode* option and press OK.
2. The Play Mode selections appear. Highlight the AutoPlay option and press OK to toggle the option on/off.
3. Press the left arrow button to return to the previous menu or press GO BACK to return to the main menu.

Dub Assist

Dub Assist helps you record a CD onto an audio cassette tape by determining the number of tracks that will fit on one side of the tape so you have time to turn the tape over to record on the other side. For steps on how to use Dub Assist go to Chapter 6.

IntroScan

IntroScan plays the first 10 seconds of each track on an Audio CD or MP3 file. IntroScan will not repeat automatically. Once it has completed, the system will stop the disc and return to the main menu.


To use IntroScan when playing a CD or MP3:


1. Highlight *Play Mode* and press OK.
2. Highlight *IntroScan* and press OK to begin the function.
3. Press STOP to stop the IntroScan function.

Using the DVD's Menu System

The Lock Menu

The padlock icon is displayed on the DVD's main menu which shows whether your DVD is locked or unlocked.

 **Locked:** A password is needed in order to play discs that aren't included in the rating limits you have set. When the DVD is locked, no one can access the *Lock* Menu items without entering the password.

 **Unlocked:** A password isn't required to play discs.



Use the numbers on the remote to enter a password.

Locking Your DVD

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight *Lock* and press OK (the *Lock* menu items appear).
3. Highlight *Lock Player* and press OK. The *Enter New Password* screen appears.
4. Press the number keys on the remote to enter the password you want to use (similar to entering your PIN when you use a bank machine).
5. After you've entered the last number in the password, press OK. *Confirm Password* appears.
6. Enter the numbers you entered the first time and press OK when you're finished.
7. Press the left arrow to return to the main menu.

Unlocking Your DVD

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight *Lock* and press OK.
3. The *Enter Password* box appears. Enter your password and press OK (the *Lock* menu options appear).
4. Highlight *Unlock Player* and press OK. The locked icon changes to unlocked.

Changing Your Password

The DVD must be locked to change the password.

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight *Lock* and press OK. *Enter Password* appears on the screen. Enter your password.
3. Highlight *Change Password* and press OK. *Enter New Password* appears.
4. Press the number buttons on the remote to enter the new password you want to use and press OK. *Confirm Password* appears.
5. Press the number keys to enter the password again and press OK when you're finished.

Setting the Ratings Limits

The Ratings Limits feature is a rating limit system, sort of like movie ratings. It works with DVD discs that have been assigned a rating. This helps you control the types of DVDs that your family watches.

Note: When in DVD mode, the TV/DVD alerts you when you try to play a movie with a rating that exceeds the limit you've set. Some discs include a rating override feature. When you play a disc with this feature, the message **Override Limit or Cancel Selection** appears on the screen. If you choose to override the rating limit, you will need to enter your password to begin playback.

Changing to a Different Country's Rating System

Some countries use different rating systems. The default for this TV/DVD is the United States. You can change to a different country's rating system through the *Lock* menu.

1. If the disc is playing, press STOP (the DVD's main menu is displayed).
2. From the main menu, highlight the *Lock* option and press OK (the *Lock* menu appears).
3. Highlight *Ratings Limits* and press OK (the *Ratings Limits* menu appears).
4. Highlight *Country* and press OK (a list of countries appears).
5. Highlight the country you want to change to and press OK (the country you selected appears next to the *Country* path menu).
6. Press the left arrow key to return to the main menu.

Rated Titles

The *Rated Titles* option lets you determine how your DVD will react to discs that contain movies that are rated (in the U.S.A., the Motion Pictures Association of America rates movies as G, PG, PG-13, etc.).

You decide which ratings require a password and which ones don't. This system ranks the ratings 1 through 8 in order to accommodate different countries' ratings systems (1 is considered a movie title with the least offensive material).

In order for the Rating Level feature to work, the disc must be encoded with rating information. If the author of the disc did not encode rating information, then this feature will not work for that disc.

When in DVD mode, the TV/DVD must be locked in order for it to enforce the settings in the *Ratings Limits* part of the *Lock* menu.

(Steps continued on next page)

Using the DVD's Menu System



The Rated Titles screen lets you set the Rating Limit

1. From the *Lock* menu, highlight *Ratings Limits* and press OK (the *Ratings Limits* menu is displayed).
2. Highlight *Rated Titles* and press OK (the 8-level rating limits list appears).
3. To change the rating limit, press the up or down arrow button.
 - The ratings that don't require a password (free access) appear under the bar, in the green part of the block.
 - The ratings that require a password appear above the bar, in the red part of the block.
4. When you have moved the bar to the desired setting, press OK. You are returned to the *Rated Titles* screen and the setting appears to the right of the *Rated Titles* option. For example, if you set 3 as the highest rating for Free Access (green), then the *Rated Titles* selection appears as 3 (that's the DVD's number for PG in the 8-level system) for the movie studio's rating. This means when the DVD is locked, it will require you to enter the password to play any discs that are rated higher than 3 (i.e., PG-13 or NC-17).
5. Press the left arrow button to return to the main screen.

Unrated Titles

Some titles (movies) aren't rated, but may contain material that is unsuitable for children. You decide how you want the *Ratings Limits* feature to handle these discs: free access or password required. To set the *Unrated Titles* option:



Choose Unrated Titles to set free access or require a password for unrated titles.

1. From the Lock Menu, highlight *Ratings Limits* and press OK.
2. Highlight *Unrated Titles* and press OK. The *Unrated Titles* options appear.
3. Use the up/down arrow buttons to highlight your choice: *Free Access* or *Password Required*. Press OK. You are returned to the previous screen, and the option you chose is displayed next to the *Unrated Titles* option.
4. Press the left arrow key to return to the main menu.

System Test

There are several tests you can run from the System Test menu. If a problem is found, the text will appear in light gray.

1. Highlight *System Test* within the *Lock* menu.
2. Press OK to display the *System Test Results* screen.
3. Press the left arrow key to return to the main menu.

The Display Menu

The *Display* menu contains the settings that affect how disc content looks on your TV/DVD.

TV Image

The *TV Image* menu adjusts the way a movie appears on your TV/DVD. Standard TVs are 4 x 3 format.

1. From the DVD's main menu (in DVD mode, no disc playing), highlight *Display* and press OK (the *Display* options appear).
2. Highlight *TV Image*. Press OK. The *TV Image* options appear.



4x3 Letterbox

4 x 3 Letterbox – Choose this setting if you want to see movies in their original aspect ratio (height-to-width ratio). You'll see the entire frame of the movie, but it will take up a smaller portion of the screen vertically. The movie might appear with black bars at the top and bottom of the screen.



4x3 Standard

4 x 3 Standard – Choose this setting if you want the movie to fill the entire screen of your TV/DVD. This might mean that parts of the picture (the left and right edges) won't be seen.

Most discs produced in a widescreen format can't be cropped in this fashion. This means the black bars will appear at the top and the bottom of the screen.

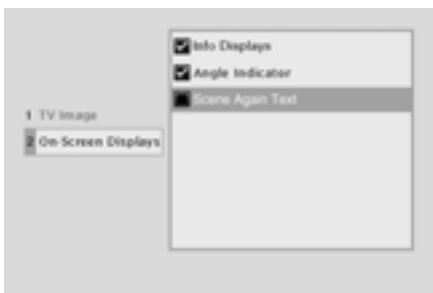
Using the DVD's Menu System

On-Screen Displays

This feature lets you select whether you want certain on-screen displays to appear on the screen. It contains three choices with check boxes next to them:

- Information Display – When turned on, displays time transport information when you are fast forwarding or reversing playback.
- Angle Indicator – When turned on, displays camera angle icon if more than one camera angle is available.
- Scene Again™ Text – When turned on, displays subtitles when you use the Scene Again™ feature.

The default is to show all on-screen displays. To turn one of the options on or off:



The On-Screen Displays option lets you choose which on-screen display items appear on your TV/DVD.

1. From the main menu, highlight the *Display* option and press OK (the Display menu appears).
2. Highlight the *On-Screen Displays* option and press OK (the three on-screen display options appear on the right).
3. Highlight an option and press OK. This toggles the option on or off.
4. Press the left arrow key to return to the main menu.

The Sound Menu

The *Sound* menu lets you select different sound settings to match the equipment you have connected to your unit.

Digital Output

Digital output lets you choose which type of digital audio is output from your unit. If you've used an optical cable to connect a Dolby Pro Logic, Dolby Digital, or DTS receiver, you must adjust this setting. There are two options:

- Dolby Digital: Choose this setting if you connected a Dolby Digital receiver.
- DTS: Choose this setting if you connected a DTS receiver or decoder to your unit.

The default is Dolby Digital. To change the digital output:

Using the DVD's Menu System



Select the Digital Output option from the Sound menu.

1. From the main menu, highlight and select the *Sound* option and press OK (the *Sound* menu is displayed).
2. Highlight the *Digital Output* option and press OK.
3. Highlight the desired output and press OK.
4. Press the left arrow key to return to the main menu.

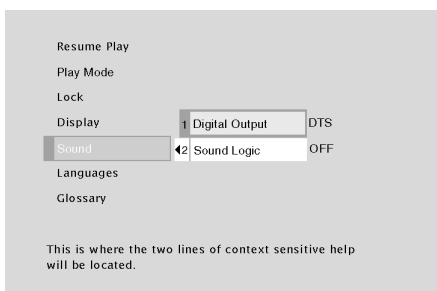
Notes: If you set Digital Output to *DTS*, you must have your unit connected to a receiver or decoder with the DTS feature and the disc you play must support the DTS audio format. If you choose DTS and your receiver or decoder doesn't support DTS, you won't hear any audio.

If you don't want to make any changes, press CLEAR to return to the main menu or GO BACK to return to the Speaker Setup menu.

Sound Logic

The Sound Logic feature compresses the dynamic range (quietest sound to loudest sound) of a disc's soundtrack. For example, action scenes might be very loud, while whispered dialog is quiet. The Sound Logic feature evens out the range of the volume by making loud sounds quieter and soft sounds louder. The Sound Logic option is a toggle, it can be turned on or off.

The default setting is off. To turn the Sound Logic feature on:



Select the Sound Logic option from the Sound menu and press OK to toggle Sound Logic on or off.

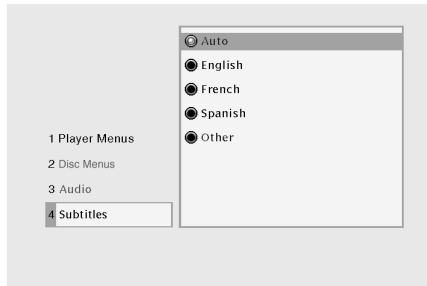
1. From the DVD's main menu, highlight *Sound* and press OK (the *Sound* menu appears).
2. Highlight the *Sound Logic* option and press OK.
3. Press the left arrow button to return to the main menu.

Note: The performance of the Sound Logic feature varies depending on the type of equipment you have connected to your TV/DVD and the audio format of the disc you're playing.

Using the DVD's Menu System

The Languages Menu

The *Languages* menu enables you to choose different language options for audio, subtitles, Disc Menu items and DVD main menu items. The default for all Language menu items is English.



Select the language option you want to change.

Changing the Player Menus, Disc Menus, Audio or Subtitles Language Preferences

You can choose one of the languages for the text that appears within the on-screen menu system.

1. From the main menu, highlight and select the *Languages* option (the *Languages* menu is displayed).
2. Highlight the language option for the language you want to change and press OK (the language choices are displayed).
3. Highlight the language you want to use and press OK. The menu appears with your selection shown next to the language option.
4. Press the left arrow button or press GO BACK to return to the previous menu.

Notes: If you change the Player Menu Language, the entire DVD's menu system will be displayed in the selected language.

The option *Original* in the Audio Language menu is the language in which the audio was originally recorded.

How to Set *Other* in Disc Menus, Audio or Subtitles Language

If the language you want to use isn't listed, you can use the *Other* option to select the language of your choice.

1. From the main menu, highlight and select the *Languages* option (the *Languages* menu is displayed).
2. Highlight the language option you want to change to Other and press OK (the language options are displayed).
3. Highlight *Other* and press OK.
4. Enter the code from the Language Codes list at the end of this chapter and press OK (the previous menu appears with your selection shown next to the language option you changed).
5. Press the left arrow button or press GO BACK to return to the previous menu screen.

Note: Remember, your TV/DVD can't play the disc in the language you have chosen if the disc wasn't created with that language option.

Using the DVD's Menu System



The Glossary explains terms used regarding the DVD mode of the TV/DVD and discs.

Glossary

The glossary contains definitions and information about the features and controls when in the DVD mode.

1. If the disc is playing, press STOP (the DVD's main menu appears).
2. Highlight *Glossary* and press OK (the Glossary appears).
3. Use the arrow buttons on your remote to highlight different terms. The definitions appear on the right side of the screen.

Some glossary definitions are more than one page. The scroll icon appears in the definition box to let you know when there's a second page.

To see the rest of the definition:

- a. Press the right arrow button. The glossary definition is highlighted.
 - b. Press the down arrow button. The second page of the definition appears.
 - c. Press the up arrow button to return to the first page of the definition or press GO BACK to return to the main menu.
4. Press the left arrow button to return to the DVD's main menu.

Using the DVD's Menu System

Code List

Don't forget to press the OK button after you enter the code.

Language	Code	Language	Code	Language	Code
Abkhazian	6566	Hungarian	7285	Russian	8285
Afar	6565	Icelandic	7383	Samoan	8377
Afrikaans	6570	Indonesian	7378	Sangho	8371
Albanian	8381	Interlingua	7365	Sanskrit	8365
Ameharic	6577	Interlingue	7369	Scots Gaelic	7168
Arabic	6582	Inupiak	7375	Serbian	8382
Armenian	7289	Irish	7165	Servo-Croatian	8372
Assamese	6583	Italian	7384	Sesotho	8384
Aymara	6588	Japanese	7465	Setswana	8478
Azerbaijani	6590	Javanese	7487	Shona	8378
Bashkir	6665	Kannada	7578	Sindhi	8368
Basque	6985	Kashmiri	7583	Singhalese	8373
Bengali; Bangla	6678	Kazakh	7575	Siswati	8383
Bhutani	6890	Kinyarwanda	8287	Slovak	8375
Bihari	6672	Kirghiz	7589	Slovenian	8376
Bislama	6673	Kirundi	8278	Somali	8379
Breton	6682	Korean	7579	Spanish	6983
Bulgarian	6671	Kurdish	7585	Sundanese	8385
Burmese	7789	Laothian	7679	Swahili	8387
Byelorussian	6669	Latin	7665	Swedish	8386
Cambodian	7577	Latvian, Lettish	7686	Tagalog	8476
Catalan	6765	Lingala	7678	Tajik	8471
Chinese	9072	Lithuanian	7684	Tamil	8465
Corsican	6779	Macedonian	7775	Tatar	8484
Croatian	7282	Malagasy	7771	Telugu	8469
Czech	6783	Malay	7783	Thai	8472
Danish	6865	Malayalam	7776	Tibetan	6679
Dutch	7876	Maltese	7784	Tigrinya	8473
English	6978	Maori	7773	Tonga	8479
Esperanto	6979	Marathi	7782	Tsonga	8483
Estonian	6984	Moldavian	7779	Turkish	8482
Faroese	7079	Mongolian	7778	Turkmen	8475
Fiji	7074	Naru	7865	Twi	8487
Finnish	7073	Nepali	7869	Ukrainian	8575
French	7082	Norwegian	7879	Urdu	8582
Frisian	7089	Occitan	7967	Uzbek	8590
Galician	7176	Oriya	7982	Vietnamese	8673
Georgian	7565	Oromo (Afan)	7977	Volapük	8679
German	6869	Panjabi	8065	Welsh	6789
Greek	6976	Pashto, Pushto	8083	Wolof	8779
Greenlandic	7576	Persian	7065	Xhosa	8872
Guarani	7178	Polish	8076	Yiddish	7473
Gujarati	7185	Portuguese	8084	Yoruba	8979
Hausa	7265	Quechua	8185	Zulu	9085
Hebrew	7387	Rhaero-Romance	8277		
Hindi	7273	Romanian	8279		

Using the TV's Menu System

Chapter Overview:

- How to Use the Different Types of Menus
- Audio Menu
- Picture Quality Menu
- Screen Menu
- Using Closed Captioning
- Channel Menu
- Time Menu

Changing Entertainment. Again.

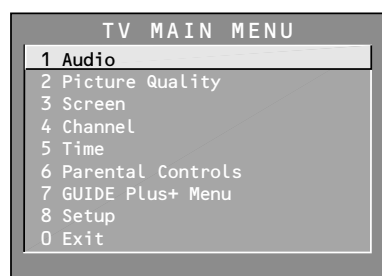


Using the TV's Menu System

How to Use Your TV's Menu System

You use the buttons on the remote or the front of your TV/DVD to access the menu system and make changes to the settings.

The following pages explain how to use the different types of menus to adjust the features of your TV.



Tip

Feel free to explore the menu system. If you're ever unsure where you are in the menu system, or you're just plain tired of exploring, press CLEAR to remove the menus from the screen and start over again.

Menus

The first menu is called the Main menu. Press MENU on the remote or on the front panel to bring up the Main menu. Note that holding MENU for 2 seconds displays the GUIDE Plus+ system.

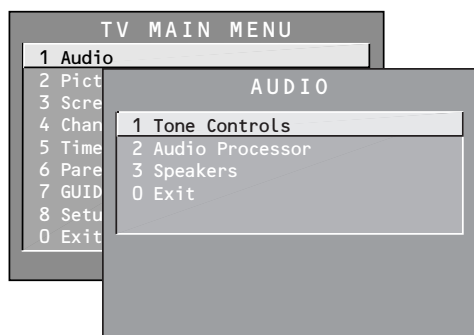
Menus take you to another menu or a control panel. There are two ways to select a choice in a menu:

- Use your arrow buttons on your remote control to highlight your choice, and press OK.
- Press a number button on the remote. For example, in the Main menu press 3 to go straight to the *Screen* menu.

Exiting a menu

There are three ways to exit a menu:

- Highlight *Exit* and press OK.
- Press 0 on the remote.
- Press CLEAR. The on-screen displays are cleared from the screen and you return to TV viewing.



Audio Menu

Tone Controls Displays the slider controls for adjusting the TV's treble, bass and balance.

Audio Processor Displays a choice list of available audio modes, which control the way the sound comes through your speakers. You can also access the *AUDIO PROCESSOR* menu by pressing the SOUND button on the remote.

Mono Plays the sound in mono only. Use this setting when receiving broadcasts with weak stereo signals.

Stereo Splits the incoming stereo audio signal into left and right channels. Most TV programs and recorded materials have stereo audio. The word *STEREO* appears on the screen when you tune to a program that is broadcast in stereo.

Sound Logic™ Stereo Reduces the annoying blasts in volume during commercial breaks, and also amplifies softer sounds in program material. Eliminates the need to constantly adjust volume control.

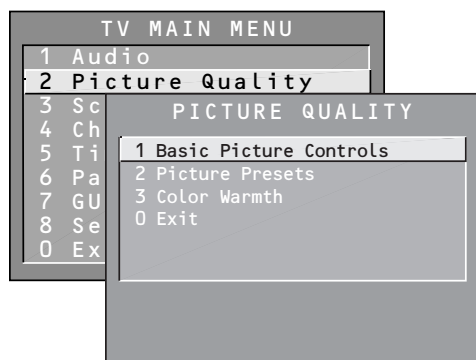
Using the TV's Menu System

Second Audio Program (SAP) Plays the program's audio in a second language, if one is available. The word *SAP* appears on the screen when you tune to a program that is broadcast with SAP information. SAP audio is broadcast in mono. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired.

Speakers Displays a choice list that lets you turn the TV/DVD's internal speakers on or off.

On This setting turns the TV/DVD's speakers on.

Off This setting turns the TV/DVD's speakers off.



Picture Quality Menu

Basic Picture Controls Displays the five slider controls for adjusting the way the picture looks.

Contrast Adjusts the difference between the light and dark areas of the picture.

Color Adjusts the richness of the color.

Tint Adjusts the balance between the red and green levels.

Black Level Adjusts the brightness of the picture.

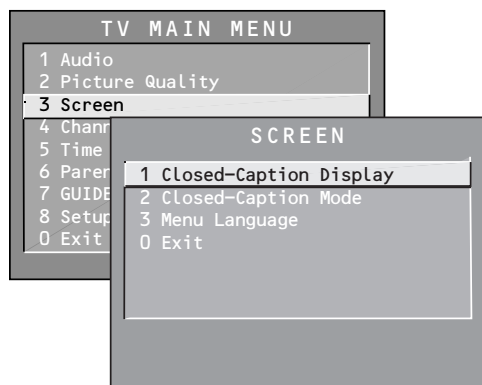
Sharpness Adjusts the crispness of the edges in the picture.

When exiting this menu, the *Save Personal Picture Preset* choice list will appear. You can choose either *Yes* or *No*. If you save the settings as a Personal Picture Preset, the TV/DVD will store the settings so you can re-select them quickly if someone changes the settings.

Picture Presets Displays a choice list that lets you select one of four preset picture settings: *Bright Lighting*, *Normal Lighting*, *Soft Lighting* or *Personal Picture Preset*. Choose the setting that is best for your viewing environment.

Color Warmth Displays a choice list that lets you set one of three automatic color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors. The warm setting corresponds to the NTSC standard of 6500 K.

Using the TV's Menu System



Screen Menu

Closed-Caption Display Displays a choice list that lets you choose the way closed captioning information is shown on the screen.

Off always No captioning information is displayed.

On always Captioning information is shown always, when available.

On when sound is muted Captioning information is shown, when available, whenever the TV/DVD's sound is muted. (To mute the sound, press the MUTE button.) The captioning information is not displayed when the sound is not muted.

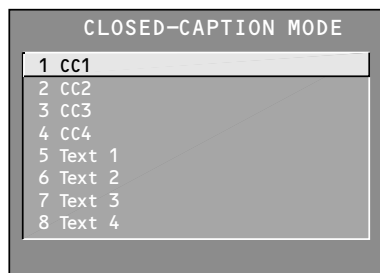
Closed-Caption Mode Displays a choice list that lets you choose which captioning mode is used for displaying captioning information.

Menu Language Displays a choice list that lets you select your preferred language for the menus: *English*, *Spanish* or *French*.

Using Closed Captioning

Many programs are encoded with closed-captioning information, which lets you display the audio portion of a program as text on the screen.

Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. When a program is closed captioned, the *CC* icon is displayed in the channel banner. See Chapter 3 for more information about the channel banner.



Tip

If you don't know which Closed-Caption mode to use, select CC1. CC1 is probably the mode that is used in your area. CC2, CC3, and CC4 are reserved for foreign languages, but are rarely used at this time.

Closed-Caption Modes

The TV offers eight closed-captioned modes, including four text modes.

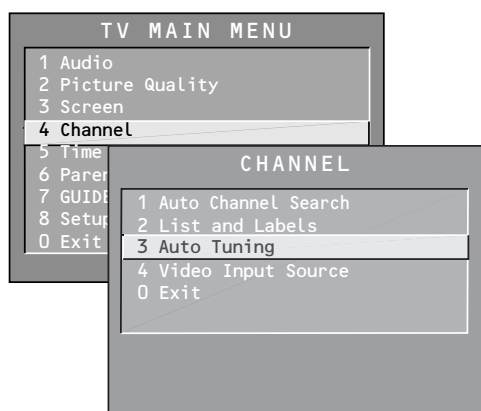
To set the *Closed-Caption Mode*:

1. Select *Screen* from the Main menu.
2. Highlight *Closed-Caption Mode* and press OK (the *Closed-Caption Mode* appears).
3. Highlight your choice and press OK (the *Screen* menu appears again).

Note: The *Text* modes cover nearly half of the picture on the screen to display the closed-captioned text. Most broadcasters use the *CC* mode, which displays a few lines of captions at a time.

Turning off Closed-Caption

1. Select *Screen* from the Main menu.
2. Press OK to select *Closed-Caption Display*.
3. Highlight *Off Always* and press OK. The closed captioning is turned off and you go back to the *Screen* menu.



Tip

To enter a number greater than 99, press and hold "1" to enter the hundreds digit, then press the two remaining numbers.

Channel Menu

Auto Channel Search When in TV mode, searches automatically for all the channels available through the antenna input. When the TV finds an active channel, it places it in the Normal channel list; inactive channels (weak stations or channels with no signal at all) will be removed from the channel list. If you are using a cable box and have set up the GUIDE Plus+ system, this option does not appear.

List and Labels Displays a control panel that lets you edit your Normal channel list and choose a six-character label for each channel. Follow the on-screen directions to enter your channels and other information.

Channel # Use the up and down arrows to scroll up and down through the channels available via your antenna. You can enter the channel number directly using the number buttons.

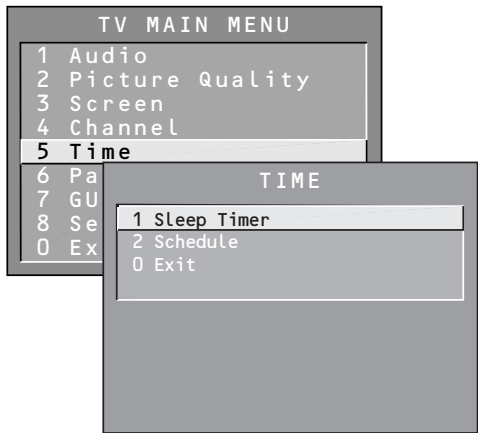
Normal List Only the channels included in the Normal list are available when you scan up and down using channel up and down. Use the up and down arrow buttons to indicate whether the channel number indicated is included (*Yes*) or is not included (*No*) in the Normal channel list.

Channel Label Use the up and down arrow buttons to enter a six-character label for each channel. Hold the button down to scroll quickly through the characters. The TV can store up to 27 labels in memory.

Auto Tuning Displays a choice list that lets you set up the TV to automatically tune to the correct input channel when you press a component button (VCR1, VCR2, or SAT•CABLE) on the remote. Go to Chapter 3 for details about the Auto Tuning feature.

Video Input Source Lets you select whether or not you have used the S-Video jack to connect a component. If you are using the S-Video jack in this way, select *S-Video Input*. If not, select *Video Input*.

Using the TV's Menu System



Time Menu

Sleep Timer Displays a control panel that lets you select the amount of time you want to give the TV/DVD before it shuts itself off.

Schedule Displays a control panel that lets you set up a schedule for turning the TV/DVD on and off automatically. Reminder: you must turn the schedule On. The on-screen directions guide you through the steps needed to set the schedule.

Playing Other Types of Discs

Chapter Overview:

- Using the Info Display
- Using the Time Display
- Selecting a Specific Track
- Selecting a Specific Index
- Selecting a Play Mode
- Using the Repeat Feature
- Changing the Audio Channel Output
- Using IntroScan
- Using Bookmarks
- Dub Assist



Changing Entertainment. Again.



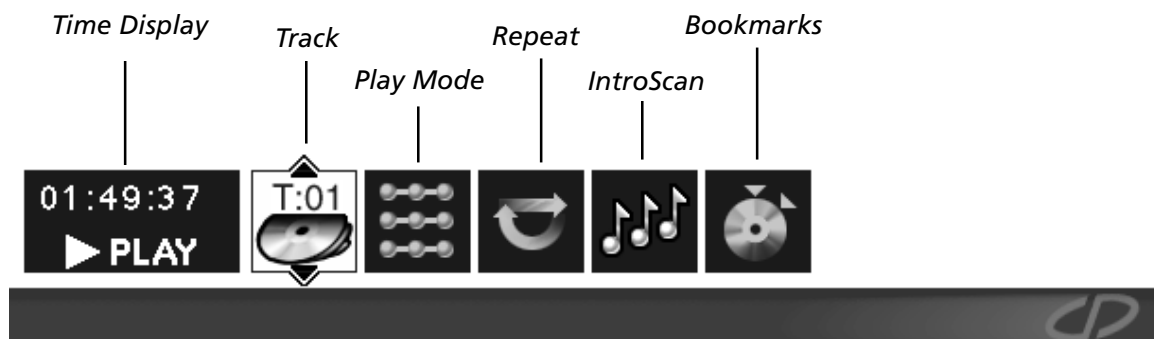
Playing Other Types of Discs

Using the Info Display

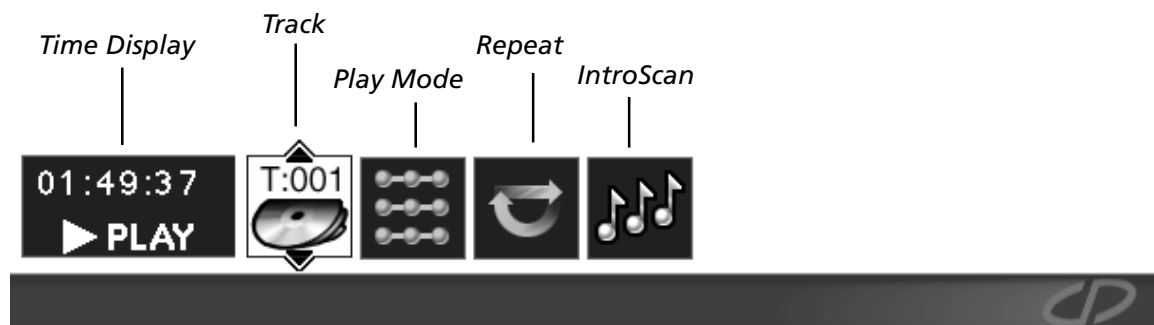
Your TV/DVD gives you many options when playing different types of discs. You can access these features through the on-screen Info Display.

To access the Info Display while a disc is playing, press INFO on the remote. The Info Display appears across the top of the screen. Each of the playback features is represented by an icon. To access a feature, use the arrow buttons on the remote to highlight the icon. Each feature that can be accessed from the On-Screen Info Display is described on the following pages. To clear the Info Display from the screen, press INFO on the remote control.

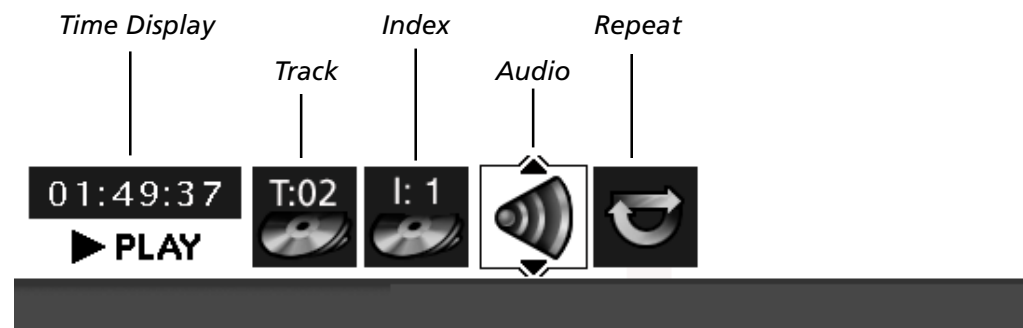
Audio CD Info Display



MP3 Info Display



Video CD Info Display



01:49:37

Using the Time Display

The Clock part of the Info Display shows the current disc time. To see the current disc time:

1. Press INFO on the remote (the Info Display appears).
2. Highlight the *Clock* icon. Press OK. The amount of time the track has played appears in the time window.
3. Press INFO to clear the screen.



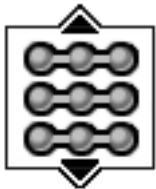
Selecting a Specific Track

1. Press INFO on the remote.
2. Highlight the *Track* icon.
3. Use the number buttons on the remote to enter the track number you want to play, or use the up/down arrow buttons to scroll through the track numbers. You may need to press the OK button on the remote after you enter a single digit track number.



Selecting a Specific Index (Available only on Video CDs)

1. Press INFO on the remote.
2. Highlight the *Index* icon from the Info Display.
3. Use the number button(s) on the remote to enter the index number you want to play, or use the up/down arrows to scroll through the index numbers. When a new index number is entered, that index will begin playing.



Selecting a Play Mode (Available only on Audio CDs and MP3s)

The Play Mode feature lets you set up the order in which you want the tracks on the disc to play. There are three options:

Standard: the tracks play in the order listed on the CD (starting with track 1). MP3 files are listed in the order they were recorded.

Random: the tracks on the disc play in random order.

Program: the tracks on the disc play in the order you've programmed. You must first create a program list in the *Play* menu of the DVD's main menu.

Switching between Standard and Random Play

Standard (the order listed on the disc) is the default setting for the DVD mode. To change the default setting:

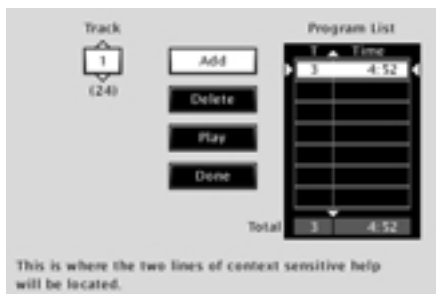
1. Press INFO on the remote while a disc is playing. The Info Display appears.
2. Highlight the *Play Mode* icon. The current play mode appears in the text box underneath the icons. Press the up/down arrow buttons to scroll through the play mode choices until Random appears in the text box. The tracks on the disc will now play in random order.

Note: The TV/DVD defaults to Standard playback whenever you put a new disc into your TV/DVD.

Playing Other Types of Discs

Using the Program Play Feature

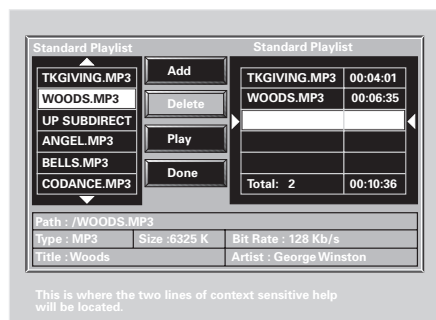
To use the Program Play feature, you must enter the order in which you want the tracks on the CD or MP3 to play by creating a program. This is done from the DVD's main menu.



Use the Edit Program screen to create your own playlist.

To edit a CD:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. The *Track* box is highlighted. Use the number buttons on the remote to enter the track you want to play first. The track number you entered appears in the *Track* box and the cursor highlights *Add*.
5. Press OK to add that track to the *Program List*. The cursor jumps to the next spot in the *Program List* section. Make sure the *Track* box is highlighted and enter your next track.
6. Continue adding tracks as explained in steps 4-5 until your program is complete. You can play your program by highlighting *Play* and pressing OK, or you can save the program by highlighting *Done* and pressing OK. If you save the program, you can select it from the Info Display. The program will be erased when you remove the disc from the disc tray or the TV/DVD is turned off.



To edit a MP3:

1. If the disc is playing, press STOP to stop playback (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. The *Standard Playlist* box is highlighted. Use the up/down arrow buttons on the remote to enter the track you want to play first.
5. Highlight *Add* to add that track to the *Program List* and press OK.
6. Continue adding tracks as explained in steps 4-5 until your program is complete. You can play your program by highlighting *Play* and pressing OK, or you can save the program by highlighting *Done* and pressing OK. If you save the program, you can select it from the Info Display. The program will be erased when you remove the disc from the disc tray or the TV/DVD is turned off.

Editing a Playlist

1. If the disc is playing, press STOP to stop playback. The DVD's main menu appears.
2. Highlight *Play Mode* and press OK (the *Play Mode* menu appears).
3. Highlight *Edit Program* and press OK (the *Edit Program* screen appears).
4. Highlight the item in the playlist you want to delete.
5. Highlight *Delete*, and press OK.
6. When you've rearranged the playlist and/or deleted all the tracks necessary, press OK.



Using the Repeat Feature

The default mode for the Repeat feature is Off. There are three Repeat options for Audio CDs:

- Disc – repeats the disc that is playing
- Track – repeats the track that is playing
- A•B – Set the beginning (point A) and the end (point B) to make this part of the CD play repeatedly.

To Use Repeat:

1. While a disc is playing, press INFO on the remote to bring up the Info Display.
2. Highlight the *Repeat* icon. The text in the text box below the icons will read *Repeat Mode: Off*.
3. Press the up/down arrow buttons to scroll through the *Repeat* options until the Repeat option you want is displayed in the text box.
4. Press OK. The selected repeat option will loop repeatedly until you turn Repeat off. Repeat is turned off by completing steps 1 through 3 above, and selecting the Off option.

A•B Repeat (Available only on Audio CDs)

A•B Repeat lets you define a specific segment on the disc that you want to repeat:

1. Find the spot on the disc that is a few seconds **before** the beginning of the part you want to repeat (this gives you time to access the Info Display and the Repeat feature).
2. Press INFO on the remote and select the *Repeat* icon from the Info Display.
3. Press the up/down arrow buttons until the A•B Repeat option is shown in the text box underneath the icons. The text box reads *Repeat Mode: A-B Press OK to Set A Point*.
4. At the beginning of the part you want to repeat, press OK to set the A point.
5. When you get to the part of the disc that you want to be the end of the repeated segment (the B point), press OK. The segment will repeat until you turn Repeat off.
6. To make the Info Display disappear from the screen, press the INFO button on the remote.

How to Cancel Repeat

There are three ways to cancel Repeat:

- Press STOP twice.
- Go to the *Repeat* icon in the Info Display and select *Off*.
- Eject the disc.

Playing Other Types of Discs



Changing the Audio Channel Output (Available only on Video CDs)

If you are playing a stereo Video CD, you can change the channel output.

1. Press INFO on the remote to bring up the Info Display.
2. Highlight the *Audio Channel* icon on the Info Display.
3. The audio channel choices appear in the text box. Use the up/down arrow keys to scroll through the choices: *Stereo*, *Left*, *Right* or *Mono*. Whatever choice is displayed becomes the active choice.



Using IntroScan (Available only on Audio CDs and MP3s)

IntroScan plays the first ten seconds of each track on the CD (similar to the scan feature that's on many car radios). To use IntroScan:

1. Press INFO on the remote (the Info Display appears).
2. Highlight the *IntroScan* icon. Press OK. The first ten seconds of each track will play.
 - After IntroScan goes through all of the tracks, it stops.
 - If you want to stop IntroScan while it's in progress, press PLAY on the remote. The current track starts playing in its entirety.
 - You can also access IntroScan from the *Play Mode* menu in the DVD's main menu.

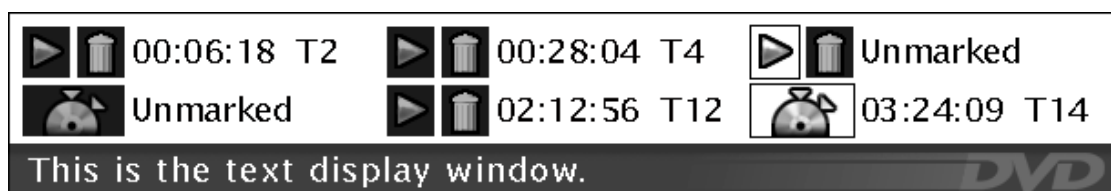


Using Bookmarks (Available only on Audio CDs)

The bookmark feature lets you mark a point on the disc that you can go to quickly. You can store up to 6 bookmarks per disc. When you turn the player off or remove the disc, bookmarks are cleared.

Storing a Bookmark

1. While a disc is playing, press INFO on the remote.
2. Highlight the *Bookmark* icon and press OK.
3. The *Bookmark* Menu appears. An available unmarked icon will be highlighted (a disc with two arrows).



4. When you reach the place you want to mark, press OK. The unmarked icon changes to two icons (side-by-side):
 - An arrow that is used to activate the bookmark.
 - A trashcan that is used to clear the bookmark.Next to the icons, the bookmark start time and track are displayed.
5. Press the INFO button on the remote to make the Info Display disappear from the screen.

Using a Bookmark

1. While you're playing a disc, press INFO on the remote. The Info Display appears.
2. Highlight the *Bookmark* icon and Press OK. The *Bookmark* menu appears.
3. Highlight the arrow next to the bookmark you want to activate.
4. Press OK to activate the bookmark.
5. To make the Info Display disappear from the screen, press INFO on the remote.

Clearing a Bookmark

The bookmarks are cleared each time a disc is removed from the disc tray or when the power is turned off. If you want to clear a bookmark while the disc is playing:

1. Press INFO on the remote to bring up the Info Display.
2. Highlight the *Bookmark* icon and press OK.
3. Highlight the trashcan icon next to the bookmark you want to clear. Press OK.
4. The bookmark is cleared and the trashcan icon changes back to the unmarked disc icon.

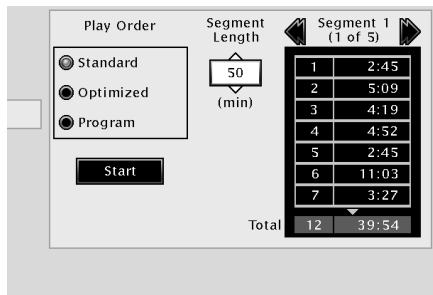
If all 6 bookmarks are in use, you can only mark new a scene by clearing an existing bookmark.

Playing Other Types of Discs

Dub Assist (Available only on Audio CDs)

Dub Assist helps you record a CD onto an audio cassette tape by determining the number of tracks that will fit on one side of the tape so you have time to turn the tape over to record on the other side. Dub Assist does not have an icon on the Info Display bar. It is activated through the DVD's *Play* menu.

To use Dub Assist when you're recording a CD onto an audio cassette:



Use the Dub Assist screen to determine how many CD tracks can fit on a cassette.

1. Press STOP if a CD is playing (the DVD's main menu appears).
2. Highlight *Play Mode* and press OK (the *Play Mode* options appear).
3. Highlight *Dub Assist* and press OK (the *Dub Assist* screen appears).
4. The highlight should be in the *Play Order* window. Choose *Standard*, *Optimized*, or *Program*.

Standard: This is the default mode. The tracks are recorded in the order on the CD (track 1 is recorded first, track 2 second, etc.).

Optimized: The tracks are recorded in the order that optimizes the number of tracks that can fit on one side of the audio cassette so you have the least amount of dead space at the end of the tape.

Program: The tracks are recorded in the order you program. You must create your program in the *Edit Program* menu that's in the DVD's *Play* menu.

5. Use the arrow keys to highlight the *Segment Length* box. When the *Segment Length* box is highlighted, use the up/down arrow buttons to enter the length of one side of the audio cassette.
6. The order the tracks will be recorded in appears in the *Segment Length* box. Use the arrow keys to highlight the *Start* box and press OK.
7. Follow the instructions on the screen to begin recording.

Other Information

Chapter Overview:

- Troubleshooting
- Care and Cleaning
- The Front of Your TV/DVD
- The Universal Remote
- Limited Warranty
- Accessory Order Form
- Index

Changing Entertainment. Again.



Troubleshooting

If you are experiencing product operation problems, please review the troubleshooting section before you call for service. Refer to the Limited Warranty for information on how to obtain repair service.

DVD Problems

Player won't work

- Reset the TV/DVD by unplugging the AC power cord and plugging it back in.

Disc won't play

- Insert a disc with the label side facing up.
- Check the type of disc you put into the disc tray. This TV/DVD only plays DVD video discs, Video CDs, audio CDs and MP3s.
- If the disc is a DTS music CD, it requires a DTS decoder. If you have a DTS receiver hooked up to your TV/DVD and you are still not getting sound, make sure the sound is set correctly (see Chapter 4).
- Both the TV/DVD and the disc are coded by region. If the regional codes don't match, the disc can't be played. This TV/DVD is Region No. 1.

Play starts, but then stops immediately

- The disc is dirty. Clean it.
- Condensation has formed. Allow player to dry out.

No sound or distorted sound

- Make sure your TV/DVD is connected properly. Make sure all cables are securely inserted into the appropriate jacks.
- You may need to readjust the *Digital Output* settings from the *Sound* menu (see Chapter 4).
- Sound is muted during still, frame advance, or slow-motion play.
- If you connected an audio or audio/video receiver to your TV/DVD, make sure you chose the correct input setting on the receiver.

Can't advance through a movie

- You can't advance through the opening credits and warning information that appear at the beginning of movies because the disc is programmed to prohibit that action.

The icon appears on screen

- The feature or action cannot be completed at this time because:
 1. The disc's software restricts it.
 2. The disc's software doesn't support that feature (e.g., angles).
 3. The feature is not available at the moment.
 4. You've requested a title or chapter number that is out of range.

The picture is distorted

- The disc might be damaged. Try another disc.

Picture is distorted during forward and reverse scan

- It is normal for some distortion to appear while scanning.

Troubleshooting

A screen saver appears on the screen

- Your TV/DVD is equipped with a screen saver that appears on the screen after the DVD mode has been idle for several minutes. Press STOP or GO BACK on the remote to make the screen saver disappear from the screen and return to the DVD's main menu.

Subtitle and/or audio language is not the one selected from the initial setting

- If the subtitle and/or audio language does not exist on the disc, the initial settings will not be seen/heard. The disc's priority language is selected instead. Set the subtitle and/or audio language manually through the Info Display or the DVD's main menu.

The menu is displayed in a foreign language

- The Menu Language preference is set to that language. From the DVD's main menu, select the *Languages option* (In Spanish, shown as *Idiomas*; in French, as *Langues*). From the Languages menu, select the *Player Menus* option (In Spanish, shown as *Menús del Lector*; in French, as *Menus Lecteur*). Highlight the language you prefer and press OK.

No forward or reverse scan

- Some discs have sections that prohibit rapid scanning, or title and chapter skip.
- If you're trying to skip through the warning information and credits at the beginning of a movie, you won't be able to. This part of the movie is often programmed to prohibit skipping through it.

Camera angle cannot be changed

- Some discs don't have the multi-camera angle system, and some discs only have it in certain parts of the movie.

Picture is too tall and thin

- Change the aspect ratio using the *TV Image* setting in the Display menu (see Chapter 4).

Picture is too short and wide

- Change the aspect ratio using the *TV Image* setting in the Display menu (see Chapter 4).

Cannot copy discs to video tape

- You can't record DVD discs onto videocassettes because the discs are encoded with anti-copy protection.

Full Version of Disc Does Not Play

- The DVD might be locked. To unlock see Chapter 4.

Disc won't eject

- When you put a disc into the disc tray, it may take up to 15 seconds to read the disc. You won't be able to eject the disc during this time. Wait 15 seconds and try again.

Troubleshooting

TV Problems

TV won't turn on

- Press the TV button.
- Make sure the TV/DVD is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is “live” by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV/DVD. If the TV turns on, check the remote control solutions on page 88.
- The front panel buttons may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Controls* menu and choosing *Unblock*.

Buttons don't work

- If you're using the remote control, press the TV button first to make sure the remote is in TV mode.
- The front panel buttons may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Controls* menu and choosing *Unblock*.
- Unplug the TV/DVD for two minutes and then plug it back in. Press the TV button and try again.

TV turns off while playing

- Scheduled Off function may have been activated. Go to page 74 for instructions.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn the TV on again. If this happens frequently, the voltage in your house may be abnormally high or low.

TV turns on unexpectedly

- Scheduled On or Watch from the GUIDE Plus+ system may have been activated. Go to page 74 or 42 for instructions.

Blank screen

- Make sure the component connected to the TV/DVD is turned on.
- Try another channel.
- Press RESET, in case the picture controls are set too low.

No sound, picture okay

- Maybe sound is muted. Press the volume up button to restore sound.
- Maybe speakers are turned off. Check the *Speakers* control panel in the *Audio* menu. Go to page 71 for detailed instructions.
- If using S-VIDEO cables to connect a component, remember to also connect the component's left and right Audio Output Jacks to the TV/DVD's left and right INPUT Jacks.

Can't select certain channel

- Channel may be blocked or not approved in the *Parental Controls* menu.
- If using a VCR, make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Troubleshooting

Noisy stereo reception

- The station might be weak. Press the SOUND button on your remote control to change from stereo to mono.

No picture, no sound but TV is on

- The channel might be empty — change channels.
- If you're watching your VCR and it's connected with coaxial cable to the ANTENNA jack, tune the TV to channel 3 or 4 (whichever channel is selected on the 3/4 switch on the back of your VCR). Also check to make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Sound okay, picture poor

- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.
- Try adjusting sharpness function to improve weak signals. Go to page 71 for more instructions.

Black box appears on the screen

- Closed-captioning might be on. Check the *Closed-Caption Display* control panel in the *Screen* menu. Go to page 72 for more instructions.

Every time I turn on the TV, the Guide is on the screen

- The GUIDE Plus+ system automatically appears on the screen when you use the TV button on the remote to turn on the TV. You can turn off this feature by pressing GUIDE on your remote control and then select the Menu bar. Press the right arrow button to select *Setup*. Choose *Review options* and select *OFF*.

GUIDE Plus+ System Problems

GUIDE Plus+ setup won't switch to channel 9 for VCR and/or channel 02 cable box

- Check to see if the G-LINK wands are positioned correctly in front of components' remote sensors.
- GUIDE Plus+ system control of cable box is slower than direct control of the box itself. Keep this in mind when changing channels.
- You may have an incorrect GUIDE Plus+ Channel Lineup. The guide may get out of sync with the cable provider. Use the *GUIDE Plus+ Setup* in the *GUIDE Plus+ Menu* to change the zip code to 99999. Turn the TV off for 10 minutes. Use Setup again to change the zip code back to the correct value. If asked, be sure to select the correct channel lineup from the on-screen list.

Program information doesn't download

- Review your setup information and make sure it's correct. Press MENU on the remote and select *GUIDE Plus+ Setup*. Go to page 16 for detailed instructions about the GUIDE Plus+ Setup menus.
- The TV/DVD must be off to download information. Leave your TV/DVD off overnight, for at least 10 hours, to receive the initial download for your area.
- If you're using a cable box, leave it on so you can receive program information.

Other Information

Troubleshooting

Scheduled Watch or Record doesn't occur

- Check Schedule for timer conflicts. Go to page 42 for instructions.
- Make sure the wands of the G-LINK cable are placed in front of the remote sensor(s) on the component(s).
- Make sure your VCR is turned off during the time you've scheduled to record a program because the system turns the VCR on when it starts recording (if it's already on when recording starts, the system will turn it off).
- Make sure there is a tape in the VCR and that the VCR is connected properly.
- Be sure that you set up the VCR in the *GUIDE Plus+ Setup* menus. If you don't complete the *Configuring for a VCR* steps successfully, the Record option won't be available. Go to page 19 for detailed instructions.
- If a cable box is attached to your TV/DVD, make sure you set it up correctly in the *GUIDE Plus+ Setup* menus. Go to page 17-18 for detailed instructions.

The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the component that you're trying to operate.
- The remote might be in the wrong mode. To be in DVD mode, press DVD on the remote before you press any other buttons. If you're operating the TV, press the TV button first, etc.
- Maybe batteries in remote are weak, dead or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)
- You might need to drain the remote's microprocessor: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

Problems with V-Chip/Parental Controls

The rating limits don't work

- You must lock the settings. Go to the *TV MAIN MENU* (press MENU on your remote), select *Parental Controls* (press 6 on your remote), select *Lock Parental Controls* (press 6 on your remote).

I don't remember my password and I want to unlock the TV

- If you forget your password, simultaneously press and hold VOL - on the front panel and VOL - on the remote for 3 seconds. Nothing appears on the screen, Parental Controls simply unlock and you can re-enter a password via *Lock Parental Controls*.

The V-Chip won't let me watch a program even though it's not rated as violent.

- Maybe the movie was given an NR (Not Rated) status. After you block movie ratings, you must set NR to *View* separately in order to view movies with an NR rating.

Care and Cleaning

CAUTION: Turn OFF your TV/DVD before cleaning.

You can clean the TV/DVD as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV/DVD's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV/DVD.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV/DVD. Also, avoid placing drinks or vases with water on top of the TV/DVD. This could increase the risk of fire or shock hazard or damage to the TV/DVD.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Handling Cautions

- Before connecting other components to this TV/DVD, be sure to turn all components off.
- Don't move the TV/DVD while a disc is being played. The disc may get scratched or broken, and the TV/DVD's internal parts may be damaged.
- Don't put any container filled with liquid or any small metal objects on the TV/DVD.
- Be careful not to put your hand into the disc tray.
- Don't place anything other than the disc in the disc tray.
- Exterior influences such as lightning and static electricity can affect normal operation of this player. If this occurs, turn the TV/DVD off and on again with the ON•OFF button, or disconnect and then reconnect the AC power cord to the AC power outlet. The TV/DVD will operate normally.
- Be sure to remove the disc and turn off the TV/DVD after use.

Formation of Condensation

- Due to sharp changes in temperature and humidity, condensation may form if warm air comes in contact with any cold parts inside the TV/DVD.
- When condensation forms inside the TV/DVD, it may not operate correctly. If this occurs, leave the TV/DVD at room temperature until the inside of the disc tray becomes dry and operational.
- If condensation forms on a disc, wipe the disc with a soft, dry cloth by moving the cloth from the center hole toward the outer edge.

Handling Discs

- Don't touch the disc's signal surfaces. Hold by the edges or by one edge and the hole in the center.
- Don't affix labels or adhesive tape to label surfaces. Don't scratch or damage the label.
- Do not use damaged (cracked or warped) discs.

Cleaning Discs

- Dirty discs can cause reduced video and audio performance. Always keep discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.
- If a disc becomes very dirty, wet a soft cloth in water, wring it out well. Wipe the dirt away gently, and remove any water drops with a dry cloth.
- Do not use record-cleaning sprays or anti-static agents on discs. Also, never clean the discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.

The Front of Your TV/DVD

Front Panel

If you can't find your remote control you can use the buttons on your TV/DVD to operate many of the TV/DVD's features.

OPEN/CLOSE Press to open and close the disc tray.

STOP Stops disc play.

REW Allows you to move to the beginning of the preceding title, chapter, or track on a disc (in effect, "skipping" the title, chapter, or track).

PLAY/PAUSE Begins disc play. If in play mode, will pause disc.

FWD Allows you to move to the beginning of the next title, chapter, or track on a disc (in effect, "skipping" the title, chapter, or track).

CH – Scans down through the current channel list. When you're using the menu system, it acts like the arrow down button on the remote control.

CH + Scans up through the channel list. When you're using the menu system, it acts like the arrow up button on the remote control.

VOL – Decreases the volume. When you're using the menu system, it acts like the left arrow button on the remote control.

VOL + Increases the volume. When you're using the menu system, it acts like the right arrow button on the remote control.

TV/DVD Puts the TV/DVD in TV mode. If in TV mode, puts in DVD mode.

POWER Turns the TV/DVD on and off.

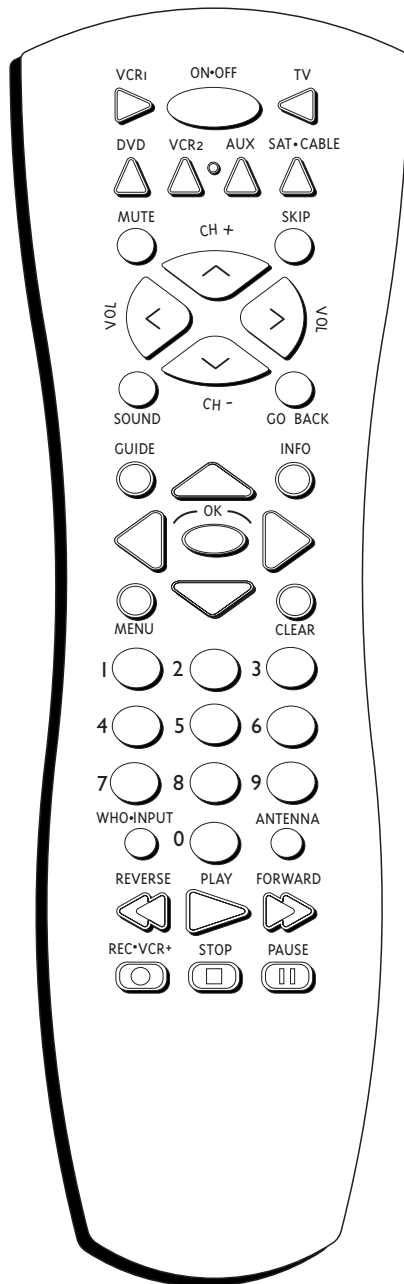
Front Panel Jacks

When in TV mode, you can access the component you connected by pressing the WHO•INPUT button on your remote until FRNT appears on the screen.

VIDEO (in) Allows you to connect a component such as a video game console, camcorder, VCR or Internet access device.

L/MONO (left audio) and R (right audio) Receives audio signals from another component such as a VCR, camcorder or Internet access device.

Phones Allows you to connect headphones to listen to the sound.



Universal Remote

The universal remote can be programmed to operate most brands of remote controllable VCRs, satellite receivers and cable boxes. The remote is already programmed to control most RCA, Proscan, and GE VCRs and satellite receivers.

The AUX button can be programmed to operate a cable box, most RCA, GE and Proscan audio components, a laserdisc player, or a VCR.

Note: The TV and DVD buttons cannot be programmed.

Test the Remote

To determine whether the universal remote needs to be programmed, turn a component ON, such as a VCR. Point the remote at the VCR, and press the VCR1 button. Then press ON•OFF or CH + (channel up) or CH – (channel down) to see if the VCR responds to the remote commands. If the component does not respond, the remote needs to be programmed.

Program the Remote

There are two ways to program the remote control:

- automatic code search
- direct entry

Automatic Code Search

The following instructions can be used to program the remote to operate each of the components connected to your TV/DVD. If you want to exit the automatic code search without programming any of your components, press CLEAR until the light on the remote turns off.

1. Turn on the component you want to operate (VCR, etc.)
2. Press and hold the component button you want to program (VCR1, VCR2, etc.). While holding the component button, press and hold ON•OFF until the light on the remote turns on, then release both buttons.
3. Point the remote at the component. Press and release PLAY, then wait 5 seconds or until the light on the remote stops flashing.

At this point the remote is searching for the correct code to program. If, after 5 seconds, the component you want to operate does not turn off, press PLAY again to tell the remote to search the next set of codes.

Continue pressing PLAY until the component turns off or you have searched through all of the codes. There are 20 total sets of codes. If the component does not turn off after pressing PLAY 20 times, then the remote cannot be programmed to operate that component.

If the component you want to control *does* turn off:

1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the component turns back ON.
2. To finish, press and hold STOP until the light on the remote turns off.

Direct Entry

1. Turn on the component to be programmed.
2. Look up the brand and code number(s) for the component on the code list in this section.
3. Point the remote at the component.
4. Press and hold the component button on the remote you want to program.
5. Enter the code from the Remote Control code list on the following pages.
6. Release the component button, and then press ON•OFF to see if the component responds to the command. If it doesn't, try pressing the component button and then ON•OFF again.
7. If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.

Important Tips!

You must continue pressing the component button while you enter the code.

Let's say you have a Zenith VCR. To program the universal remote to operate the VCR you would:

Press and hold the VCR button while you enter the first code listed for Zenith in the VCR Codes column.

Release the VCR button. Press ON•OFF to see if the VCR responds. If it doesn't, follow the same steps, but enter the second code instead of the first.

Operate Components after Programming the Remote

Because this universal remote can operate several different components (VCR, satellite receiver, etc.) it uses operational modes triggered by the component buttons. For example if you want the remote to operate the TV, you would press the TV button to put the remote into TV mode before you could operate the TV.

1. Press the appropriate component button (VCR1, VCR2, SAT•CABLE, or AUX) to set the remote to control the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

Note: This remote may not be compatible with all brands and models of components.

Other Information

VCR Codes

Admiral	2131
Adventura	2026
Aiko	2027
Aiwa	2002, 2026
Akai	2003, 2004, 2005, 2007, 2008, 2111, 2112, 2113
American High	2021
Asha	2013
Audio Dynamics	2009, 2010
Audiovox	2014
Bell & Howell	2011
Beaumarck	2013
Broksonic	2012, 2025
Calix	2014
Candle	2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon	2021, 2022, 2114
Capehart	2020, 2110
Carver	2062
CCE	2027, 2061
Citizen	2013, 2014, 2015, 2016, 2017, 2018, 2019, 2027
Colortyme	2009
Colt	2061
Craig	2013, 2014, 2023, 2061
Curtis-Mathes	2000, 2002, 2009, 2013, 2016, 2018, 2021, 2022, 2024, 2115
Cybernex	2013
Daewoo	2015, 2017, 2019, 2025, 2026, 2027, 2028, 2110
Daytron	2110
DBX	2009, 2010
Dimensia	2000
Dynatech	2002, 2026
Electrohome	2014, 2029
Electrophonic	2014
Emerson	2002, 2012, 2014, 2015, 2021, 2024, 2025, 2026, 2029, 2030, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2044, 2045, 2047, 2065, 2105, 2113, 2116, 2117, 2130
Fisher	2011, 2023, 2048, 2049, 2050, 2051, 2052, 2118
Fuji	2021, 2119
Funai	2002, 2026
Garrard	2026
GE	2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120
Goldstar	2009, 2014, 2018, 2054, 2121
Gradiente	2026
Harley Davidson	2026
Harman Kardon	2009
Harwood	2061
Headquarter	2011
Hitachi	2002, 2055, 2056, 2057, 2107, 2111, 2120, 2122
Hi-Q	2023
Instant Replay	2021
JCL	2021
JC Penney	2009, 2010, 2011, 2013, 2014, 2021, 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen	2055, 2056, 2111
JVC	2009, 2010, 2011, 2018, 2058, 2111, 2123
Kenwood	2009, 2010, 2011, 2016, 2018, 2058, 2111, 2123
KLH	2061
Kodak	2014, 2021
Lloyd	2002, 2026
Logik	2061
LXI	2014
Magnavox	2021, 2022, 2062, 2063, 2104, 2108, 2124
Magnin	2013
Marantz	2009, 2010, 2011, 2016, 2018, 2021, 2058, 2062, 2064
Marta	2014
Masushita	2021
Mei	2021
Memorex	2002, 2011, 2013, 2014, 2021, 2023, 2026, 2104, 2131
MGA	2029, 2065, 2113
MGN Technology	2013
Midland	2053
Minolta	2055, 2056, 2107

VCR Codes

Mitsubishi ..	2029, 2055, 2056, 2065, 2066, 2067, 2069, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward	2075, 2131
Motorola	2021, 2131
MTC	2002, 2013, 2026
Multitech	2002, 2013, 2016, 2026, 2053, 2061
NEC	2009, 2010, 2011, 2016, 2018, 2058, 2064, 2076, 2078, 2079, 2111, 2123
Nikko	2014
Noblex	2013
Olympus	2021
Optimus	2014, 2131
Optonica	2096
Orion	2035
Panasonic	2021, 2022, 2109, 2125, 2126, 2127
Pentax	2016, 2055, 2056, 2107, 2120
Pentex Research	2018
Philco	2021, 2022, 2062, 2063
Philips	2021, 2062, 2096, 2124
Pilot	2014
Pioneer	2010, 2055, 2080, 2081, 2123
Portland	2016, 2017, 2019, 2110
PROSCAN	2000, 2001
Protec	2061
Pulsar	2104
Quarter	2011
Quartz	2011
Quasar	2021, 2022, 2125
RCA	2000, 2001, 2003, 2013, 2021, 2055, 2056, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2107, 2115, 2120, 2125
Radioshack/Realistic	2002, 2011, 2013, 2014, 2021, 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2131
Radix	2014
Randex	2014
Ricoh	2128
Runco	2104
Samsung	2005, 2013, 2015, 2033, 2053, 2112
Sanky	2104, 2131
Sansui	2010, 2092, 2111, 2123
Sanyo	2011, 2013, 2023
Scott	2012, 2015, 2025, 2032, 2035, 2038, 2065, 2093, 2116
Sears	2011, 2014, 2021, 2023, 2048, 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp	2002, 2017, 2029, 2094, 2095, 2096, 2131
Shintom	2004, 2056, 2061, 2098
Shogun	2013
Signature	2002, 2131
Singer	2021, 2061, 2128
Sony	2002, 2004, 2098, 2099, 2119, 2128
STS	2021, 2107
Sylvania	2002, 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic	2002, 2026
Tandy	2002, 2011
Tashiko	2014
Tatung	2058, 2111
TEAC	2002, 2026, 2058, 2085, 2111
Technics	2021, 2109
Teknika	2002, 2014, 2021, 2026, 2100, 2129
TMK	2013, 2024, 2047
Toshiba	2015, 2049, 2051, 2055, 2065, 2093, 2116
Totevision	2013, 2014
Unitech	2013
Vector Research	2009, 2010, 2015, 2016
Victor	2010
Video Concepts	2009, 2010, 2015, 2016, 2113
Videosonic	2013
Wards	2002, 2013, 2014, 2015, 2021, 2023, 2026, 2029, 2055, 2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2131
XR-1000	2021, 2026, 2061
Yamaha	2009, 2010, 2011, 2018, 2058, 2111
Zenith	2004, 2098, 2104, 2119, 2128

Audio Codes

(For RCA and Dimensia brands only)

AM/FM	4003
Aux	4004
Phono	4005
CD	4007
Tape	4006

Cable Boxes

ABC	5002, 5003, 5004, 5005, 5006, 5007, 5053
Antronix	5008, 5009
Archer	5008, 5009, 5010, 5011
Cabletenna	5008
Cableview	5008
Century	5011
Citizen	5011
Colour Voice	5012, 5013
Comtronics	5014, 5015
Contec	5016
Eastern	5017
Garrard	5011
GE Electronics	5009
Gemini	5018, 5019, 5049
General Instrument	5003
Hamlin	5020, 5021, 5022, 5035, 5045
Hitachi	5003
Hytex	5002
Jasco	5011
Jerrold	5003, 5005, 5007, 5018, 5023, 5024, 5046, 5053
Magnavox	5025
Memorex	5026
Movie Time	5002, 5027, 5028
NSC	5002, 5027, 5028
Oak	5002, 5016, 5029
Panasonic	5048, 5052
Paragon	5026
Philips	5011, 5012, 5013, 5019, 5025, 5030, 5031, 5032
Pioneer	5033, 5034
Pulsar	5026
RCA	5047, 5049, 5052
Realistic	5009, 5049
Regal	5022, 5035
Regency	5017
Rembrandt	5003
Runco	5026
Samsung	5014, 5034
Scientific Atlanta	5006, 5036, 5037, 5038
Signal	5014, 5018
Signature	5003
SI Marx	5014
Sprucer	5052
Starcom	5007, 5018, 5053
Stargate	5014, 5018
Starquest	5018
Tandy	5040
Teleview	5014
Tocom	5004, 5023, 5041
Toshiba	5026
Tusa	5018
TV86	5027
Unika	5008, 5009, 5011
United Artists	5002
United Cable	5053
Universal	5008, 5009, 5010, 5011
Videoway	5044
Viewstar	5015, 5025, 5027, 5040
Zenith	5026, 5050, 5051

Satellite Receiver Codes

Chapparral	5006, 5057
Drake	5058, 5059
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STS4	5067
Toshiba	5068, 5073
Uniden	5069

Limited Warranty

What your warranty covers:

- Defects in material or workmanship.

For how long after your purchase:

- One year from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm whichever comes first.

What we will do:

- Pay any Authorized RCA Television Service Center the labor charges to repair your unit.
- Pay any Authorized RCA Television Service Center for the new or, at our option, rebuilt replacement parts and picture tube required to repair your unit.

How you get service:

- For 20" screen size: Take your RCA unit to any Authorized RCA Television Service Center and pickup when repairs are complete.
- For screen sizes larger than 20": Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your unit is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your TV/DVD to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your unit to and from your home.
- To identify your nearest Authorized RCA Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does *not* cover:

- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your product. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your TV/DVD.
- Damage from misuse or neglect.
- Batteries.
- A TV/DVD that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Images burnt onto the screen.
- Acts of nature, such as but not limited to lightning damage.
- A unit purchased or serviced outside the U.S.A.

Product Registration:

- Please complete and mail the Product Registration Card packed with your set. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Other Information

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON MULTIMEDIA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

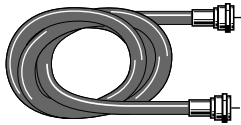
How state law relates to this warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

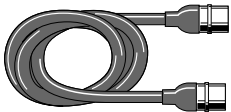
Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.



VH81 (3-ft)

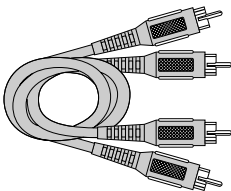
VH82 (6-ft)

Screw-on Cable attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. The ends screw onto the connectors for a secure connection.



VH89 (6-ft)

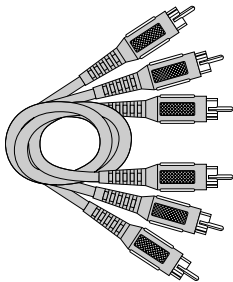
Push-on Cable attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. Ends push on for a quick connection.



Gold-Tipped cable

VH83 (6-ft)

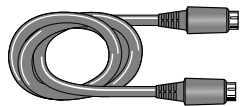
Monaural VCR Dubbing Cable Double cable that lets you connect the video and audio jacks of two VHS VCRs to duplicate tapes. Can also be used to connect a VCR to your TV. Cable is color-coded and shielded. Has RCA-type phono plugs on each end.



Gold-Tipped cable

VH84 (6-ft)

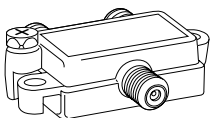
Stereo VCR Dubbing Cable Triple cable that lets you connect the VIDEO and AUDIO jacks of stereo components.



VH976 (6-ft)

VH913 (12-ft)

S-Video Cable has multi-pin connectors on each end for connecting S-Video components to your TV.



Splitter VH47

2-way Signal Splitter Helps you connect a second TV or VCR.

Accessory Order Form

Description	Part No.	Price	Qty	
Screw-on antenna cable (3-ft)	VH81	\$3.95		
Screw-on antenna cable (6-ft)	VH82	\$4.95		
Push-on antenna cable (6-ft)	VH89	\$5.95		
Monaural VCR Dubbing Cable (6-ft)	VH83	\$5.95		
Stereo VCR Dubbing Cable (6-ft)	VH84	\$9.95		
S-Video Cable (6-ft)	VH976	\$7.95		
S-Video Cable (12-ft)	VH913	\$14.95		
2-way Signal Splitter	VH47	\$3.95		
Amplified Antenna	ANT200	\$49.95		
Antenna Mixer (not shown)	193984	\$11.15		
Remote Control (CRK76TW1)	252958	\$29.45		
Audio•Video Adapter (not shown)	228449	\$4.45		
Optical Cable (3-ft)	DV3	\$15.95		
Optical Cable (6-ft)	DV6	\$19.95		

Prices are subject to change without notice.

Total Merchandise \$

Sales Tax \$

We are required by law to collect the appropriate sales tax for each individual state, country, and locality to which the merchandise is being sent.

Shipping and Handling \$ 5.00

Total Amount Enclosed \$

Use VISA, MasterCard, or Discover Card preferably.

Money order or check must be in U.S. currency only.

No COD or CASH.



Detach Here

All accessories are subject to availability. Where applicable, we will ship a superseding model.

Please complete other side also

Continued on next page.....

Other Information

Charge your order on your VISA, MasterCard, or Discover Card by filling in below

USE YOUR CREDIT CARD

IMPORTANT: Copy complete account number from your VISA card



--	--	--	--	--	--	--	--	--	--	--	--

My card expires:

--	--

--	--

IMPORTANT: Copy complete account number from your MasterCard



--	--	--	--	--	--	--	--	--	--	--	--

Copy Number
above your
name on
MasterCard

--	--	--	--

My card
expires:

--	--	--	--

IMPORTANT: Copy complete account number from your Discover Card



--	--	--	--	--	--	--	--	--	--	--	--

My card expires:

--	--

--	--

AUTHORIZED SIGNATURE
(Credit card order will not be processed without signature)

Print or type your name and address clearly.



A complete and correct order will save you days of waiting.

Name: _____

Street: _____

_____ Apt: _____

City: _____

State: _____ Zip: _____

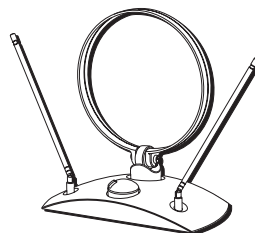
Daytime phone number: _____

Please make sure that both sides of this form have been filled out completely.

- Allow 4 weeks for delivery.
- All accessories are subject to availability.
- Prices are subject to change.



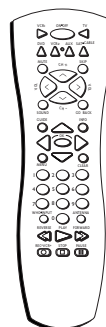
Detach Here



ANT200

Amplified Antenna

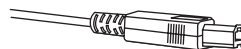
Allows you to quickly switch from the antenna signal to the cable or satellite signal without disconnecting the antenna.



CRK76TW1

Remote Control

This is the remote control that came packed with your TV. Replacements or spares can be ordered as needed.



Optical cable
DV3 (3-ft), DV6 (6-ft)

Optical cable

Helps you connect to a component with an Optical Digital Audio In jack, such as a Dolby Digital decoder or receiver.

To Order

To place your order by phone, have your Visa, MasterCard or Discover Card ready and call the toll-free number listed below.

Use this number only to place an order for accessory items listed on this order form.

1-800-338-0376

To place your order by mail, detach and mail the completed order form with credit card information, money order or check in US currency (made payable to Thomson multimedia Inc.) to the following address:

Video Accessories
PO Box 8419
Ronks, PA 17573

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Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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Indianapolis, IN 46290

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